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Season of 1928

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HISCO CO. MANUFACTURERS OF AGRICULTURAL IMPLEMENTS

HASKELL IMPLEMENT AND SEED COMPANY



LEWISTON, MAINE

Read Carefully Before Ordering

All prices in this catalogue, owing to uncertain market conditions, are subject to change without notice. Should there be a drop in the market on any article (listed in this catalogue) at time of purchase, we will gladly give the customer the benefit of the reduction. This policy applies to all grain, grass, vegetable and flower seeds as well as all other items quoted herein. WE DELIVER all Vegetable and Flower Seeds when bought at the packet, ounce, or $\frac{1}{4}$ pound prices, but when seeds ordered are listed in pounds, postage should be added at the rate of 8 cents per pound. Each additional pound add 1 cent. Insurance 3 cents. In all other cases goods will be SHIPPED F. O. B. LEWISTON.

No charge for packing, unless otherwise stated. Bags will be charged for as follows: 2 bushel bags, 30 cents; $\frac{1}{2}$ bushel bags, 20 cents; peck bags, 15 cents; $\frac{1}{2}$ peck bags, 10 cents.

We give no warranty expressed or implied, as to description, quality or productiveness of our seeds, and in sending them out, will in no way be responsible for crops or lack of satisfactory product from our seeds. If the purchaser does not accept the goods on these terms, we must be notified at once, when we will give full instructions for disposition of such goods. This is the invariable rule of reliable business houses.

We do, however, purchase our seeds from reputable growers and employ every means, taught us from years of successful dealing in seeds, to insure proper grading and purity. Seeds are tested by our experts before offering them for sale, so we are as reasonably sure of their germination as nature and science permits of assurance.

PARCEL POST INFORMATION ON PAGE 11

NOTE—We would deem it a great favor if our customers, or those wishing to remain on our mailing list, thereby receiving our catalogue, would inform us of change in address.

"GOOD EQUIPMENT MAKES A GOOD FARMER BETTER"

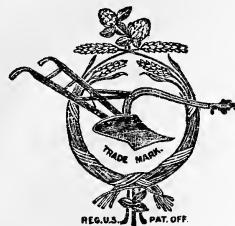
Haskell Implement & Seed Co.
20-22-24 CHAPEL STREET
LEWISTON, MAINE

New England Telephone

Private Line 27

**ORDER
BLANK** of **HASKELL IMPLEMENT & SEED CO.**
20 CHAPEL STREET, LEWISTON, MAINE

Form 230



Name _____ Date _____

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R. D. Route _____ State _____

R. R. Station or Express Office _____

SHIP BY _____ **AMOUNT ENCLOSED** _____
Mail, Express, Freight _____ Check, Money Order or Stamps \$ _____

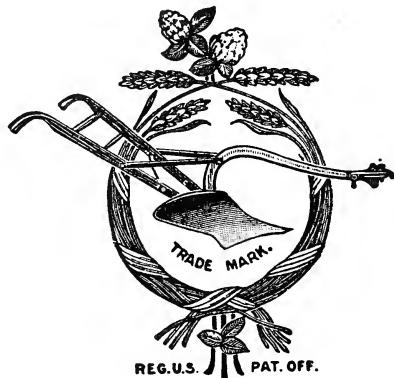


HASKELL IMPLEMENT & SEED CO.

1928 CATALOGUE

OF

*Choice Farm, Garden and Flower Seeds
Agricultural Implements*



Dairy and Poultry Supplies, Wooden Ware, Galvanized Ware, Brooms, Brushes, Fencing, Garden Seeders and Cultivators, Pumps, Spraying and Dusting Outfits, Paints, Oils Automobile Tires, Etc.

"THE FURROW"

If you will send us your name and address we will send you "The Furrow" FREE for one year. This is a paper published in the interest of better farming and contains much useful information on farming and soil culture, also valuable Household Hints for the housewife with a lot of entertaining reading for the younger members of the family.

CHOICE FLOWER SEEDS — General List



OST flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should be not more than four to six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

POSTAGE PREPAID ON ALL FLOWER SEEDS IN PACKETS AT PRICES QUOTED SPECIAL INDUCEMENTS

When the money accompanies the order, purchasers of Seeds in packets at catalogue prices may select 25 CENTS' WORTH EXTRA PACKETS FOR EACH \$1.00 SENT. Thus anyone enclosing \$1.00 MAY ORDER SEEDS IN PACKETS AMOUNTING TO \$1.25. Two dollars sent to us with the order will pay for seeds IN PACKETS amounting to \$2.50 and so on. This offer does NOT include seeds in collections by weight or measure, bulbs, plants, or anything EXCEPTING SEEDS IN PACKETS.

Plants are generally known and described as Annuals, Biennials and Perennials. The term annual is applied to plants which flower and ripen their seeds the same season. Hardy annuals are those which may be sown in the open ground. Half hardy annuals are those which should be started in the house and transplanted to the garden. The term biennial is applied to plants which flower the second season after planting and then perish; the term perennial to plants which flower the second season after planting, and continue to flower year after year.

ADONIS. Hardy annual. Showy, popular border flowers. Pretty foliage with scarlet blossoms. Remain in bloom a long time. One foot high. Pkt., .10

AGERATUM (Floss-Flower). Half hardy annual. Blossoms continually throughout the summer. Highly prized for bedding out, and valuable for winter blooming indoors.

Imperial dwarf. Dark blue. 9 in.; good for edging. Pkt., .10

ALYSSUM. Very hardy, free blooming dwarf plants, all varieties growing freely in common soil. The pretty, fragrant flowers are much prized for bouquets; excellent for the summer garden.

Little Gem. White. Hardy annual. They grow but three or four inches in height, very compact, or spreading growth, each plant often forming a circle a foot in diameter. Pkt., .10

Saxatile Compactum. Perennial. Grows about nine inches high, producing a mass of yellow blossoms.

Pkt., .10

AMARANTHUS. Ornamental foliage. Very striking and effective decorative plants. Sow early and set out young plants early in June. Annual.

Tricolor. Mixed—Carmine scarlet, splendid variety. 4 to 5 feet. Pkt., .10

ANTIRRHINUM. (Snapdragon.) Beautiful, hardy, free blooming plants for summer and fall. Flowers the first year from seed as annuals and should be treated as such. Average height, 1½ feet.

Crimson.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10



Alyssum

ASTER One of the very best Annuals for Cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers sow in March or April in cold frame, spent hot-bed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

Tall Varieties

AMERICAN BRANCHING. A free growing Aster of robust, erect habit, producing large, feathery blossoms resembling Japanese Chrysanthemums; one of the finest for cutting. Height 3 feet.

Crimson.....	Pkt., .10
Lavender.....	Pkt., .10
Rose.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

GIANT COMET. Splendid class of pyramidal habit, with very large flowers.

Crimson.....	Pkt., .10
Light Blue.....	Pkt., .10
Rose Pink.....	Pkt., .10
Dark Blue.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

PEONY FLOWERED PERFECTION. The finest form of incurved Aster, splendid for exhibition and popular for both florists' and private use. The plants are about two feet in height, with flowers usually four inches across, very double and of fine globular form.

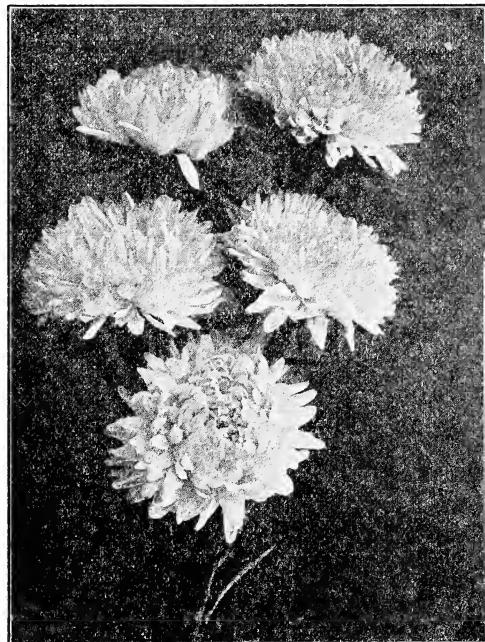
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

VICTORIA. Flowers large, very double, with the petals beautifully incurved. Cannot be excelled for bedding or exhibition. 2 feet.

Crimson.....	Pkt., .10
Blue.....	Pkt., .10
Rose Pink.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

HEART OF FRANCE. The finest dark red Aster grown. Of a branching habit and its flowers on long, strong stems.

Pkt., .10



White Branching Asters

ASTERS (Dwarf Varieties)

CHRYSANTHEMUM

Finest Mixed.....	Pkt., .10
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QUEEN OF THE MARKET. Early flowering Aster, of branching habit, producing its flowers on long stalks; fine class for cutting and bunching.

Lavender.....	Pkt., .10
Light Pink.....	Pkt., .10
Crimson.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

ALL SORTS MIXED..... Pkt., .10

AQUILEGIA. Columbine. Hardy perennial. One of the most beautiful of the old-fashioned flowers.

Finest Mixed Pkt., .10

Try our Purity Lawn Seed

BALSAM. Annual. Beautiful plants for the summer garden. Of fine pyramidal form, thickly studded with large flowers of rich shades. They should be started early in heat and transplanted. We offer the finest strains in cultivation.

Double Dwarf Mixed.....Pkt., .10

CALENDULA. Vigorous, hardy, free-flowering annuals, with large, flat, double flowers; valuable for growing in light soils, or dry situations. They are useful as cut flowers, and are frequently grown under glass during winter for cutting. 1 foot.

Double MixedPkt., .10

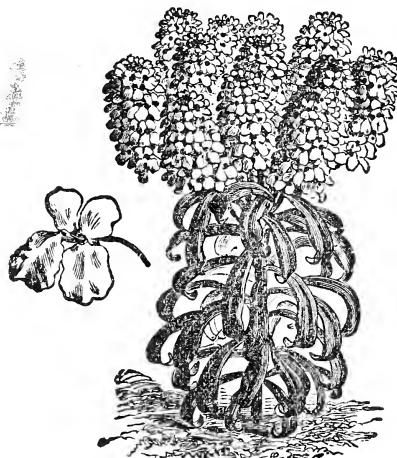
CALLIOPSIS or **Coreopsis**, Perennial Varieties. These frequently bloom the first year from seed sown in the spring; it is the most satisfactory, however, to sow in July or August, protecting the plants with coarse straw or pine boughs during the winter. They will flower profusely the following summer. Height, 2 feet. Mixed.....Pkt., .10

CAMPANULA. Hardy perennial. These grand old flowers are of easiest culture, and one of the most attractive. Sow seed in the open the last of June or first of July, and transplant. They will bloom the following spring if protected over winter.

Medium. Old fashioned Canterbury Bell.
Mixed.....Pkt., .10

CANDYTUFT. Showy, hardy annuals, growing about a foot in height. Excellent for bouquets.

Carmine.....Pkt., .10
Empress White.....Pkt., .10
Mixed



Candytuft

CANNA. Indian Shot. Annual. The luxuriant foliage and superb flower of the Cannas, especially of the new French and Italian races, easily places them foremost among our sub-tropical plants.

Crozy's Newest Mixture.....Pkt., .10

CARNATIONS—Marguerite—The earliest of all Carnations, blooming in July or August if sown in spring and continuing till frost. Being half-hardy perennials, a slight protection of coarse straw or pine boughs will preserve them during winter and they will flower profusely the next summer, or they may be potted to bloom during the winter in the house. The flowers are large, about eighty per cent. usually coming double; beautifully fringed and clove-scented.

CARNATIONS MARGUERITE

Giant White.....	Pkt., .10
Giant Rose.....	Pkt., .10
Giant Red.....	Pkt., .10
Giant Mixed.....	Pkt., .10

CENTAUREA. Flowering Annuals. **Imperialis**.—Giant Corn Flower. The flowers are of enormous size; fragrant, and of the most charming colors, including white, pink, lilac, rose and purple. They are among our best summer flowers for cutting.

Dark Blue.....Pkt., .10
Cyanus—Bachelor's Buttons, mixedPkt., .10



Centaurea Cyanus

CELOSIA, or Coxcomb. Showy annuals of easy cultivation; producing large, brilliant, comb-like flower heads. They prefer a light soil, and should not be allowed to become crowded if a dwarf habit is desired.
Tall Mixed.....Pkt., .10

CHrysanthemum (Annual Varieties)

Showy, hardy annuals of easiest cultivation and blooming early in summer. They are most desirable for sea-shore and mountain garden. Height, 2 feet.

Double Mixed Pkt., .10

COBOEA SCANDENS. Tender Annual. A fine rapid growing climber with handsome foliage and large, bell-shaped flowers, green at first but rapidly changing to a beautiful, deep violet-blue. Seed should be planted on edge in hot bed or rather dry soil and barely covered. Pkt., .10

CONVOLVULUS MAJOR—Tall Morning Glory. Hardy annual. The most popular and widely grown climber for covering verandas, trellises, etc.

Finest Mixed Pkt., .10

Japanese Morning Glory Pkt., .10

CYPRESS VINE. *Ipomoea Quamoclit.* Very graceful twining annuals with feathery dark green foliage and star-like flowers. Twenty feet.

Scarlet Pkt., .10

COSMOS. Annual. This is one of our most useful and beautiful autumn flowers. To get it in bloom early, the seed should be sown in May in the open ground where the plants are desired to bloom, and the seedlings allowed to grow and flower without being transplanted.

Finest Mixed Pkt., .10



Cosmos

DAHLIA. This popular flower can be easily raised from seed and flowered the same season. The roots should be placed in dry sand and kept in a cellar where there is no frost during the winter.

Finest Mixed Pkt., .10

DIANTHUS. Annual. Chinenses. Double Chinese Pinks. Finest Mixed Pkt., .10

Hedgewigii (Japan Pinks). Single. First-class selected. Mixed Pkt., .10



Chinese Pinks

DIGITALIS. Foxglove. Biennial. Old-fashioned hardy plants producing spikes of thimble-shaped flowers, often two feet long.

Gloxinae flowered. Mixed Pkt., .10

DOLICHOS LABLAB. (Hyacinth Bean.) Annual. Purple. 10 feet. Pkt., .10

GAILLARDIA. Blanket Flower. Biennial. Daisy-like flowers in various shades of yellow with dark brown centers. Blooms the entire season.

Finest Mixed Pkt., .10

ESCHSCHOLTZIA. California Poppy. The bright colors, long duration and dwarf habit of these free-blooming, hardy annuals, admirably adapt them for massing and border planting. Height, 1 foot.

California Alba—White Pkt., .10

Yellow Pkt., .10

Mixed Pkt., .10

GORDS. Luxuriant, climbing annuals, useful in covering arbors, fences or slopes, and bearing gourds which are of interesting forms and colors. 10 to 15 feet.

Mixed Pkt., .05

GYPSOPHILA. Infant's Breath. Annual. Free flowering, hardy plants, extremely light and graceful, easy of cultivation, and most useful for bouquet and cut-flower work. Height, 18 inches.

Mixed Pkt., .10

HELICHRYSUM. Everlasting Flower. Showy annuals for beds or borders; useful as dried flowers for winter bouquets, for which use the blooms should be cut before they are fully open, and hung up to dry with the flowers downward if stiff stems are desired. Height, 2 feet.

Double Mixed Pkt., .10



Helianthus

HELIANTHUS. Sunflower. Hardy annual. The large varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet Salvia, Cannas and other tall bedding plants, besides being excellent for cutting.

Double Mixed Pkt., .10



Heliotrope

HELIOTROPE. Delightfully fragrant greenhouse perennial; excellent for bedding or indoor cultivation and particularly useful for cutting.

Giant. Newest large flowering varieties mixed.
Pkt., .10

HOLLYHOCK. Hardy Biennial. This ever popular hardy favorite of our gardens has very few rivals in majestic grandeur. Hollyhocks succeed best in rich, well-drained soil. They should be lightly protected during winter with pine boughs, coarse straw, or other mulch not liable to rot. Seeds sown in July produce fine plants for blooming the following summer. 6 to 8 ft.

Chaters Strain. Double finest mixed. Pkt., .10

HUMULUS JAPONICA. Japanese Hop. Splendid annual climber of fast growth and very ornamental. 12 ft. Pkt., .10

KOCHIA TRICHOPHILA. (Standing or Summer Cypress.) Splendid ornamental annual of unusually

quick growth, forming regular pyramids of about 3 ft. in height. The slender-leaved plants are of a cypress-like appearance during the summer, changing their light-green foliage to carmine and blood-red colorings. The plant, also called "Burning Bush," is of great value when planted singly or in groups, as well as for pot culture. 3 ft. Pkt., .10

LARKSPUR. Splendid hardy annuals with showy flowers borne on long spikes; white, lilac, and all shades of blue; excellent for cutting. Height, 18 inches. Double Tall. Branching or stock flower mixed.

Pkt., .10

LOBELIA. Annual. The *Erinus* varieties are most valuable for edgings, hanging baskets and vases, blooming profusely from June till frost.

Crystal Palace Compacta. The darkest blue. Pkt., .10

MARIGOLD. *Tagetes*. These handsome half-hardy annuals when well grown cannot be surpassed either in mixed borders or when grouped together. They succeed best in moderately rich soil and in open situations, and are strongly recommended where a gorgeous display in the autumn is an essential feature.

African—Double tall yellow Pkt., .10

African—Double tall mixed Pkt., .10

French—Double tall mixed Pkt., .10



Forget-Me-Not

MYOSOTIS—Forget-Me-Not. Dwarf, half-hardy perennials, bearing a profusion of little, star-shaped flowers. They thrive best in rather moist, shady situations. Most of them will bloom the first year from seed if sown early. If sown in July or August in shaded frame, fine plants will be obtained for spring blooming. They are very beautiful when planted in combination with late spring bulbs, Daisies, *Arabis* or *Golden Alyssum*.

Palustris—True Forget-Me-Not. Dark blue, very beautiful; profuse flowering. Pkt., .10



Mignonette

MIGNONETTE. Reseda Odorata. The most fragrant annual, prized as much for forcing in winter as for the summer garden. The seed should be sown early and the plants as they grow, thinned sufficiently to allow them to branch. The beds should be liberally watered during dry weather.

Parsons's White.....Pkt., .10
Machet, Red.....Pkt., .10
Sweet Scented Mixed.....Pkt., .10

NICOTIANA *Affinis*—Annuals.

Sylvestris. A splendid new variety with glaucous leaves and large pendants, pure white, tube-shaped flowers; a very stately plant. Pkt., .10

NASTURTIUMS—Dwarf varieties mixed.

Tom Thumb, or Dwarf. These hardy annuals are of easiest cultivation; succeeding best in rather light soil, notwithstanding heat and drought and flowering profusely from June or July until cut down by severe frost, usually well into November. The dark-leaved varieties are particularly adapted for ribbon beds and borders, the brilliant flowers contrasting admirably with the bronzy foliage. Height, 1 foot.

Finest Mixed. Our special mixture of the finest sorts, in great variety of color.

Pkt., .10; oz., 15; $\frac{1}{4}$ lb., .45

NASTURTIUMS—Tall or Climbing.

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for winter flowering, as screens or as trailers for hanging baskets and vases; 8 to 12 feet. **Finest Mixed**.....Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .45

PAPAVER or **Poppy.** Annual varieties, showy, hardy annual of the easiest cultivation and embracing many rich and beautiful colors. The seed should be sown early in spring where intended to bloom.

Shirley—Finest mixed. A most charming race of single Poppies with shining flowers of silky texture, varying in color from pure white and delicate pink to rosy carmine and deep crimson; many of them being

beautifully striped and edged with white. The blooms if cut when young will keep in water for two or three days. Height, 2 ft. Pkt., .10

Double Carnation Mixed.....Pkt., .10

Perennial Varieties. These large flowered kinds are very imposing with their fiery blooms which are sometimes six inches across.

Oriental. Orange Scarlet with black center. Pkt., .10

PHLOX DRUMMONDI. This is one of the finest annuals, being hardy, easy of cultivation and making as a summer bedding plant an effective and brilliant display. The flowers are of large size, finely rounded form, and with well-defined eyes. The colors are superb.

Grandiflora Finest MixedPkt., .10

PETUNIA. The Petunia is popular because it is of easiest cultivation, blooms from early summer continuously until frost and is one of the most showy and free-growing annuals. Height, 12 to 15 inches.

Single Flowering Petunia

Hybrida—Finest Mixed.....Pkt., .10
Fimbriata—Fringed, Single Mixed.....Pkt., .15

Double Flowering Petunia

Double Fringed—Extra Large.....Pkt., .20



Nasturtium

PORTULACA. Charming dwarf annuals for sunny situations or light soils, producing flowers of most brilliant colors in great profusion. Height, 6 inches.

Grandiflora Plenissima—Double Mixed.....Pkt., .10

Grandiflora—Fine Single Mixed.....Pkt., .10

RICINUS. Castor Oil Plant. Tender annuals of rapid and gigantic growth, producing enormous dark green or bronze-colored palmate leaves; excellent for sub-tropical beds, or for massive foliage effects on lawns or backgrounds.

Zanzibariensis. Mixed. A new and distinct race from East Africa, producing leaves of enormous size, varying in color from light green to purplish red. Height, 15 feet.

Pkt., .10

SALPIGLOSSIS. Half-hardy annuals; elegant late summer flowering plants of great diversity in color; beautifully penciled in rich tints of yellow, purple and brownish red. Of easy culture.

Grandiflora—Finest Mixed.....Pkt., .10

SAVIA. Flowering Sage. Very ornamental; flowers borne in spikes of fiery red, crimson or blue, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil one or two feet apart. Tender perennials, but bloom the first season. Height, 2 ft. to 3 ft.

Splendens—Scarlet.....Pkt., .10

SCABIOSA. Mourning Bride. Hardy annual. Handsome summer border plant, producing splendid flowers in all colors on long stems, making them ideal

cut flowers which keep for a week in water. 2 to 2½ feet.

Finest MixedPkt., .10

STOCK—Gilliflower. Half hardy annual. The charming colors, delightful fragrance and free-blooming character of the Stocks have made them favorite plants for both summer and winter cultivation. They are very effective for beds and borders, and their handsome spikes are invaluable for bouquets and floral decorations.

Large-Flowering, Double Ten-Week Varieties. Highest grade, pot-grown seed. The best variety for early summer blooming, producing massive pyramidal flower spikes of brilliant colors and delightful fragrance. Height, 1 foot.

PinkPkt., .10

WhitePkt., .10

Finest MixedPkt., .10

SWEET WILLIAM. Dianthus Barbatus. Showy, hardy biennials of easiest culture; admirable for clumps among shrubs or borders. Height, 18 inches.

Hunt's Perfection MixedPkt., .10

WALL FLOWER. Deliciously fragrant and combine many shades of color; the orange, purple and chocolate predominating; tender perennial, 1½ feet.

Double MixedPkt., .10

Pkt., .10

PANSIES

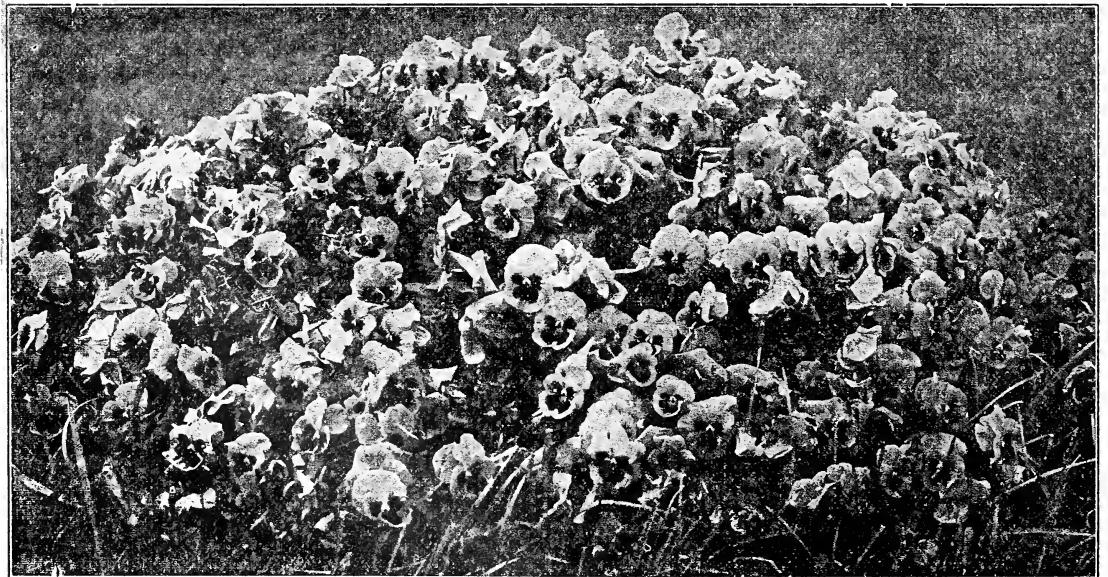
Pansy, or Heartsease. Too much importance cannot be attached to the culture of these beautiful plants, flowering as they do in great abundance for several months. When sown in the early spring a good display in most cases can be had in the following fall, but the best results are not obtained by so doing. To obtain fine blooms it is better to sow during summer and transplant the seedlings in cold frames in September, protecting during the winter with mats or shutters. Pansies delight in a cool, moist, well drained soil, enriched with decomposed barn-yard manure. They should never be allowed to suffer for want of water.

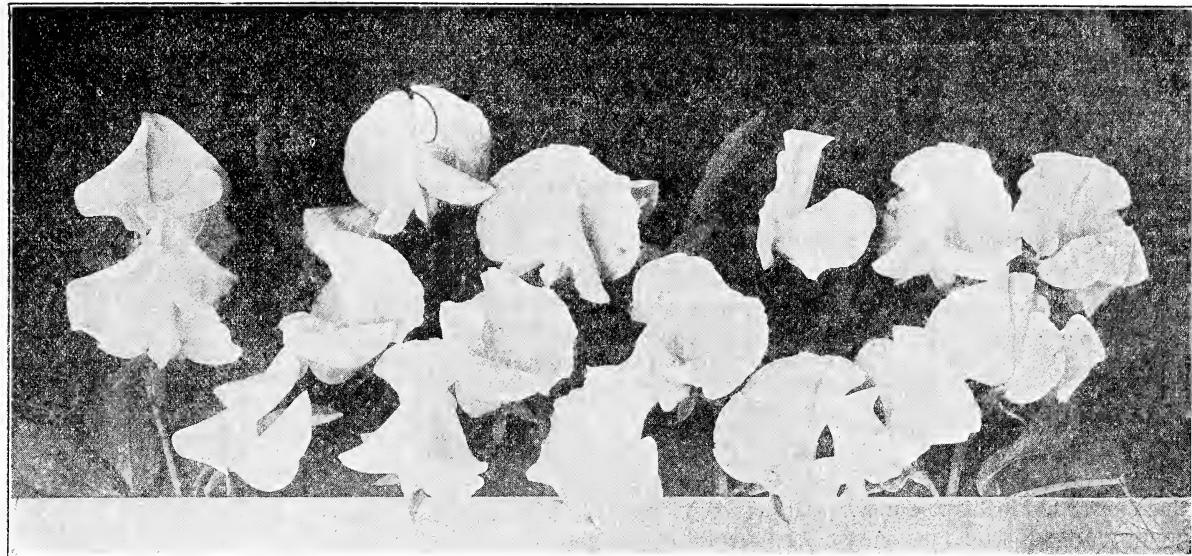
Giant Blue.....Pkt., .10 **Giant Purple**.....Pkt., .10

Giant Black.....Pkt., .10 **Giant Yellow**.....Pkt., .10

Giant WhitePkt., .10 **Giant Ruffled Mixed**,

Giant Mixed.....Pkt., .10 Pkt., .15





SWEET PEAS

SWEET PEAS

Sweet Peas well deserve the place they have earned in the hearts of all lovers of flowers. Their beauty and fragrance, together with their vigorous growth and the ease with which they are grown, make them one of the most popular of garden annuals. They will thrive in any garden and bear all summer an abundance of beautiful fragrant flowers of many wonderful shades and tints. Our Sweet Peas are unsurpassed in selection, purity and vitality.

CULTURE

Early in spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it, and plant the seed in the bottom, covering at first only one inch deep. In soils at all heavy, or composed largely of clay, put about one inch of sand in the bottom of the trench and sow the seed on this, covering with more sand. Cover the row with a board to shed the rain and protect the soil from the hot sun, but remove this as soon as the young plants appear.

When the plants are two inches high, cultivate, and as they grow gradually fill up the trench. When the plants are about five inches high it is desirable to furnish some support for the vines to run upon, preferably a wire netting firmly supported by stakes to prevent sagging, but strings or brush are often used with satisfactory results.

The roots should not be allowed to become too dry. Water applied thoroughly once or twice a week, preferably early in the morning or in the evening, is usually better than light sprinkling more frequently.

The blooms should be picked before they form pods, or the plants will soon stop flowering.

Haskell's Peerless Mixture. We invite comparison of our mixture with any and all others, no matter under

what name or at how high a price offered, and are certain a trial will demonstrate the superiority of our **Peerless Mixture.**

Owing to the fact that there are so many different named varieties and many of these are really one and the same, we have discontinued cataloguing them, selecting only the following which we consider the best:

Dorothy Eckford. Pure White.

Blanche Ferry. Pink and White.

Prima Donna. Pure Pink.

Lady Grisel Hamilton. Lavender.

King Edward VII. Scarlet.

Lord Nelson. Navy Blue.

Prices on any of the above:

Pkt., .10; Oz., .15; $\frac{1}{4}$ Lb., .35; $\frac{1}{2}$ Lb., .65; Lb., \$1.25

Prices on Haskell's Peerless Mixture:

Pkt., .10; Oz., .15; $\frac{1}{4}$ Lb., .35; $\frac{1}{2}$ Lb., .60; Lb., \$1.00

Any of the above ten-cent packages, 6 Pkts. for 50c; 12 Pkts., .75.

**For larger, better and
more Sweet Pea Blossoms,
inoculate the seed with
Farmogerm**

Sweet Peas (Continued)

SPENCER VARIETIES

The Spencers are of exceptionally large size, the standard and wings waved or frilled and the general effect remarkably graceful and attractive. The plants are of vigorous growth and remain in bloom for a longer period than the ordinary sorts. They are produced abundantly on long stems, making them most desirable for cutting.

Asta Ohn. Suffused lavender, sometimes with pinkish tinge.

Countess. Bright, clear pink, sometimes darker towards the edges; very large with long stems. One of the very best.

Florence Morse. White with pink edge.

Helen Lewis. Rich orange.

King Edward. Brilliant crimson scarlet; very large size and of open form.

Othello. Beautiful deep maroon. One of the most reliable of the maroon shades of Spencers.

White. Pure White. Beautifully waved and fluted. Very large size.

Mixture. A very fine assortment of the best varieties
Separate Colors.....10 per Pkt., .20 oz.
Mixture.....10 per Pkt., .20 oz., .75 1/4 lb.

VERBENA. The Verbena is one of the most decorative and easily grown bedding plants. If started in heat in March the seedlings begin to bloom in June and continue until frost. Plants raised from seeds are stronger and flower more freely than those grown from cuttings. Half-hardy perennials. Height, 1 foot.

Hybrida—Mammoth mixed......Pkt., .10
Hybrida—Extra selected, dark blue......Pkt., .10
Hybrida Candissima, white......Pkt., .10

VIRGINIA CREEPER (or American Woodbine).

Though a common native climber, this is one of the best plants for covering unsightly objects, or it may be easily trained into festoons of exceeding grace and beauty.

Pkt., .10

WILD CUCUMBER. Hardy, vigorous climber, with very pretty seed-pods, large seeds; to be sown in the open ground in autumn. 20 feet.

Pkt., .10

XERANTHEMUM. Profuse blooming hardy annuals with "Everlasting" flowers; useful for winter bouquets; colors pure white and deep purple. Height, 18 inches.

Finest Double Mixed.....Pkt., .10



Zinnia

ZINNIA. The double flowering Zinnias (*Zinnia elegans* fl. pl.), are among the finest annuals blooming from July till frost. The flowers are large, handsome, and in a variety of colors. Of easy cultivation in common garden soil. Seed should be started in heat and transplanted. Our seed of these beautiful flowers is saved from the finest collection in France.

Double MixedPkt., .10

MIXED FLOWER SEEDS FOR WILD GARDENS

A splendid mixture of more than one hundred kinds of flower seeds at a low price.

Pkt., .10

For Parcel Post information see next Page.

Owing to the unsettled condition of the market ALL prices in this catalogue are strictly subject to change without notice. If, however, at time of shipment prices should be lower than given in the catalogue we shall cheerfully give our customers the benefit.

SUPERIOR VEGETABLE SEEDS

THE CENTAL SYSTEM—IMPORTANT ANNOUNCEMENT

In this issue of our catalogue we shall continue to use the Cental System which was adopted by us in our 1919 issue. The old method of selling seed by the pint, quart, peck, bushel, or fractions thereof is hereby discontinued. Seeds will hereafter be quoted by the pound and hundred pounds. You will find it more accurate, more fair, and more sensible than the old method of buying by the pint, peck, or bushel. Recommendations as to quantity to sow will be made on the pound basis instead of by measure.

There are several reasons for this change.

1. The weight of a bushel of one kind of seed is practically never the same as that of another kind of seed. Even the weights of two single bushels of the same commodity may differ, due to difference in size of the individual seeds, vegetables, or whatever makes up the bushel. The old system was, therefore, unavoidably inexact, frequently inaccurate, and never quite fair to both buyer and seller.

2. The new method is exact, accurate, and fair to all.

3. The new system permits of quicker, more accurate parcel-post rating.

4. The Cental System, long used in Europe, is the coming method of selling seeds, vegetables, foods, etc.

It has already been adopted by law in several states.

Parcel Post Information

Parcel Post rates now apply to all seeds, bulbs and plants and are subject to the same rates as all other merchandise. 1st and 2d Zones include all places within the distance of 150 miles of Lewiston.

Rates of Postage for 4th Class Merchandise

Zone Distances	Zones	First Pound	Each Additional Pound
Lewiston and Rural Delivery,		.07	\$.00½ up to 70 Lbs.
Within 150 Miles.	1st and 2d	.07	.01 up to 70 Lbs.
150 to 300 Miles,	3d	.08	.02 up to 50 Lbs.
300 to 600 Miles,	4th	.09	.04 up to 50 Lbs.
600 to 1000 Miles,	5th	.10	.06 up to 50 Lbs.
1000 to 1400 Miles,	6th	.11	.08 up to 50 Lbs.
1400 to 1800 Miles,	7th	.13	.10 up to 50 Lbs.
*1800 Miles and over,	8th	.14	.12 up to 50 Lbs.

*Includes non-contiguous possessions.

ASPARAGUS

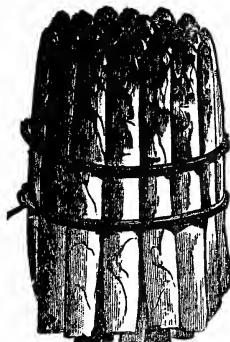
German,—Gpargel.

French,—Asperge.

Spanish,—Espirragos.

One ounce for 60 feet of drill.

A convenient bed is about six feet wide, with a path two feet wide on each side. This will require six rows one foot apart, and a bed of that width 50 feet will be



ample for an ordinary family, requiring about one pound of seed. It will require about three years from the time of sowing until the bed is in full bearing, but once established, it is good for twenty years. It should

be sown in drills one foot apart, and when the plants are four or five inches high they should be thinned out so that the plants will be nine inches apart from each other in all the rows. Great care must be taken for the first year to keep down all weeds as soon as they appear, else they will choke and destroy the young seedling Asparagus. The deeper the soil and the more manure used, the greater will be the crop.

Conover's Colossal. The best known, and one of the most desirable sorts. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Palmetto. Shoots are very large and light green, also tender and very desirable for the market and home garden. Very quick in growth, with close, round-topped shoots. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Asparagus Roots

A saving of one or two years is effected by planting roots. These offered below are strong, two-year-old roots, and the proper size for testing. These roots are not carried in stock but will be shipped direct from the growers. Prices on the following varieties will be quoted on application.

Columbia, Mammoth White, Conover's Colossal, Barr's Mammoth and Palmetto.

BEANS

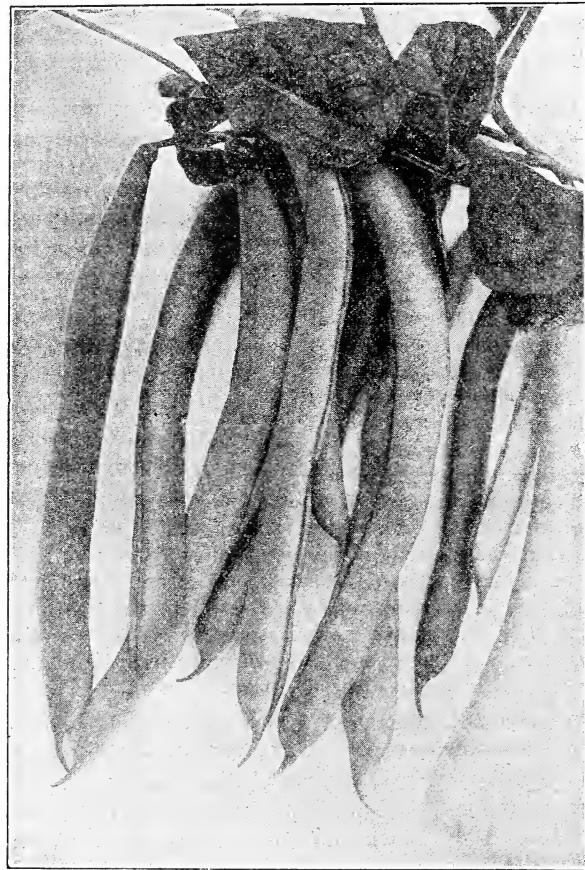
Dwarf or Bush

German,—Bohnen French,—Haricot
Spanish,—Frijole nano.

Two pounds to 100 feet in drills or 150 hills; two bushels to the acre in drills.

A succession of sowing can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The seeds should be dropped about two inches apart.

Add .08 per Lb.; each additional pound add .01 if to be sent by mail.



Improved Golden Wax Beans

Black German Wax. (Black Seed.) Very early; round, yellow pods; a well-known standard sort.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Curries' Rust-proof Wax. Pods long, flat and straight, very productive and rust-proof; black seed.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Improved Golden Wax. Rust proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust-proof.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Green Pod Varieties

Stringless Green Pod. The pods are green, not quite as round as Valentine and less curved. The pods are stringless—absolutely—this quality at once placing the variety at top of the list among table beans.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Long Yellow Six Weeks. Pods are long, flat, straight green.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Low's Champion. Very productive, with stringless, large flat green pods. Excellent either as a string or shell bean.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Dwarf Horticultural. Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell beans are of good size, tender, and of fine flavor.

Pound, .30; Two Pounds, .50; Fifteen Pounds, \$3.00

Burpee's Bush Lima. The only Bush form of the true large Lima. Bushes grow to eighteen inches in height and always erect.

Pound, .35; Two Pounds, .65; Fifteen Pounds, \$4.00

Improved Yellow-eye Bean. A fine field bean and very productive.

Old-fashioned Yellow-eye Bean. An excellent field bean and much preferred to the Improved Yellow-eye as a baking bean.

Red Kidney Bean. An easily raised bean and very productive. Also greatly prized by many for baking.

Pea Beans. Native grown. Used for baking more than any other pea bean.

Sulphur Pea. Larger than the white pea bean; golden yellow color; early and of fine quality.

White Kidney Bean. Good yielder. Almost entirely free from rust. One of the best baking beans on the market.

Soldier Bean. Similar in shape to the White Kidney but much larger, and with brown markings. Excellent cropper and free from rust.

PRICES ON ABOVE ON APPLICATION

Pole or Running

German,—Stangen Bohnen Spanish,—Judias
French,—Haricot a Rames
One Pound to 150 hills

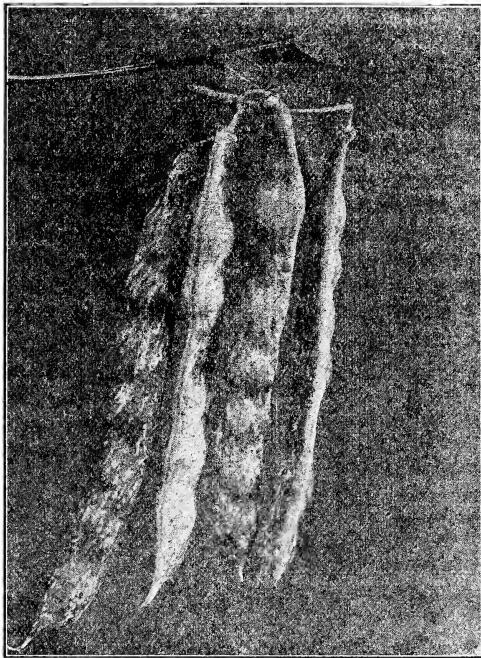
These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later. They succeed best in sand loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep.

Rough cedar or similar poles about seven or eight feet long should be used for these to climb on. The

poles should be set in the ground at least eighteen inches, so as to prevent being blown over.

Add .08 per Lb.; each additional pound add .01 if to be sent by mail.

Kentucky Wonder Wax. Similar to the green pod Kentucky Wonder. Pods 8 to 9 inches long. Very early. Pkt., .20; Pound, .35; Two Pounds, .60



King Horticultural, or Old Fashioned Speckled Cranberry. Pods bright carmine color; both beans and pods are much larger than the common kind.

Pkt., .20; Pound, .35; Two Pounds, .60

Kentucky Wonder. An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown; entirely stringless.

Pkt., .20; Pound, .35; Two Pounds, .60

Lazy Wife. One of the best of the later green-podded pole beans for snaps. The pods borne in large clusters, are five to seven inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed white.

Pound, .35; Two Pounds, .60

Lima, King of the Garden. Heavy cropper—bean and pod very large. Pound, .40; Two Pounds, .75

Scarlet Runners. Usually cultivated for the beauty of its scarlet flowers. Pkt., .15; $\frac{1}{2}$ Lb., .25

BEET

German,—Runtel Rube French,—Betterave
Spanish,—Beteraga

A rather light soil, well enriched, is best suited to the cultivation of the various beets. The mangels and

sugar beets in particular, require very liberal manuring. For an early crop of table beets, sow the seed as early as the ground is in condition to work; light frosts will not injure the young plants. For a main crop, sow the first of May; and for winter beets, the last of June. Sow in drills, 12 to 15 inches apart, and about one inch deep, pressing the earth firmly upon the seed,—a very important matter. Use about six pounds of seed per acre, 1 oz., 50 feet. Thin out when the plants are large enough. The varieties for table use should be left three or four inches apart.

TABLE BEETS

Crosby's Egyptian. This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.25

Dewing's Early. Of deep red color, smooth and of fine form. One of the leading varieties, both for market and for family use.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.25

Detroit Dark Red Turnip. An excellent beet for bunching for market; tops exceptionally small and upright; roots turnip shaped with small tap root. Color of skin dark blood red; flesh bright red. Quality is of the best, sweet and tender. One of the best varieties for the market gardener and the home garden.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.25

Early Eclipse. Very early, dark-red color, small top, and free from fibrous roots.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.25

Edmand's. This variety is thoroughly fixed and uniform in type. The flesh is deep blood red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over-large.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.25

Haskell's Special Blood Turnip. We have a very fine strain of Blood Turnip Beet, of the Edmand's type. Very deep red fleshed, so much in demand in all markets.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Swiss Chard or Silver Sea Kale. Used as greens and the ribs of leaves cooked and served as asparagus.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

MANGEL-WURZEL AND SUGAR BEETS

Sow in April or May, using eight to twelve pounds to the acre.

Price of all varieties, Oz., .15; $\frac{1}{4}$ lb., .30; lb., .75

Improved Mammoth Long Red. An improvement on the old variety. The roots are very large, uniformly straight and well formed; proportionately thicker, and are deeper colored than the common sort, and with smaller tops.

Norbiton Giant. A mammoth, long-red variety, enormously productive, and keeps well; good for deep soils.

Lane's White Sugar. One of the best for feeding stock. Very sweet.

Mangel Danish Sludstrup. Long, reddish yellow. Grows well above the ground and easy to pull. More percentage of dry matter than in any known Mangel. Very heavy cropper.

MANGEL-WURZEL and SUGAR BEETS (Continued)



Golden Tankard. Flesh a deep, rich yellow; very sweet and nutritious. Half long in shape. A very heavy cropper.

BRUSSELS SPROUTS

(Species of cabbage; cultivation the same)

German,—Rosen-Kohl French,—Chou de Bruxelles
Spanish,—Berza de Brussels

One ounce will sow a bed of forty square feet, and produce about 3,000 plants

This is a delicious vegetable, superior to either borecole or spinach. The small, cabbage-like heads which grow upon the stem are much improved by a moderate frost. Sow in hotbeds in March or April, and in the open ground in May.

Dwarf Improved. Produces excellent, compact sprouts; very sure cropper.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

CABBAGE

German,—Kopf-Kohl French,—Chou Pomme
Spanish,—Berza

One ounce of seed produces about 3,000 plants.

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom heat being required. Transplant into other frames without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows three feet apart, and about eighteen inches between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a

fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way crops may be sown to lay in for the winter use, planting seeds as late as July 1. Seeds can also be sown in shallow drills; when the plants are large enough, can be transplanted, setting the plants in rows three feet apart and two feet apart in the row. If the young plants are troubled with the cabbage fly, sprinkle them with tobacco dust, air-slaked lime, slug-shot or wood ashes, while the dew is on them.



Danish Ball Head

The wide and unfailing popularity of the Danish Ball Head cabbage is simply wonderful. It seems to adapt itself to all soils and conditions.

The leading characteristics of the Danish Ball Head cabbage are: First, that it is a sure header; second, that it is of unapproachable solidity and weight; third, that it is an extra good keeper; and fourth, that it is a good seller.

It is a medium to late cabbage, but is generally grown as a late crop. It is sure to head, the heads being round, hard and extremely heavy, though not extra large. It can be grown in close quarters, on account of its compact habit.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

All Seasons. An early Drumhead, sure heading, solid variety. Desirable for early or fall use.

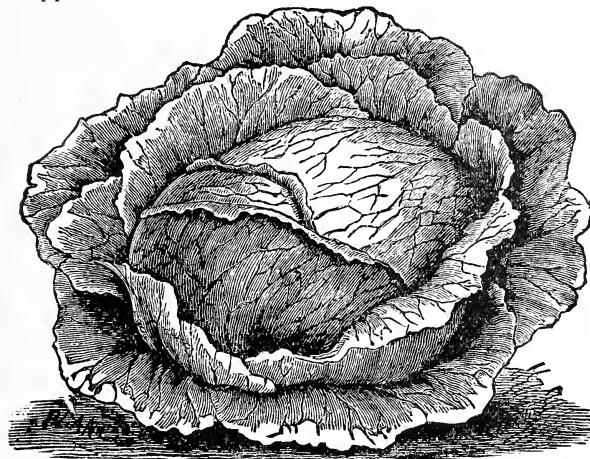
Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Charleston Wakefield. Grows to a much larger size than the Jersey Wakefield. Very productive and a good shipping variety. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Mammoth Rock Red. The largest heading of any of the red sorts, of deep rich color, and excellent quality.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Sure Head. A fine variety for main crop. A good shipper and sure header. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25



Warren's Stone Mason

Warren's Stone Mason. An improvement on the Stone Mason Drumhead; heads rounder, firmer and earlier; is an extra good keeper.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Savoy Improved American. The finest flavored of all the cabbage family, large and solid.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Early Winningstadt. An early variety of excellent quality, not as early as the Wakefield.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Henderson's Early Summer. A standard summer variety. We have the true stock.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Early Jersey Wakefield. A standard early variety for home use or market. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Red Dutch for pickling or for salads.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Succession. A sure-headed, long-keeping variety, very similar to All Seasons, but maturing a little later. Heads deep and very firm.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Copenhagen Market. Extra early variety, ball shaped and evenly maturing. Best for market gardeners.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

Enkhuizen Glory. It is an early cabbage, but still of large size, solid and of the best quality. It is one of the largest early cabbages we have seen, and may be set out as late as the last of July or first of August in this latitude, and will make large, fine heads for late fall or winter use. The great merit of this cabbage lies in the perfect uniformity of its growth. The plants are

compact, have few outside leaves, can be planted close together, and will produce a very large crop.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

CARROT

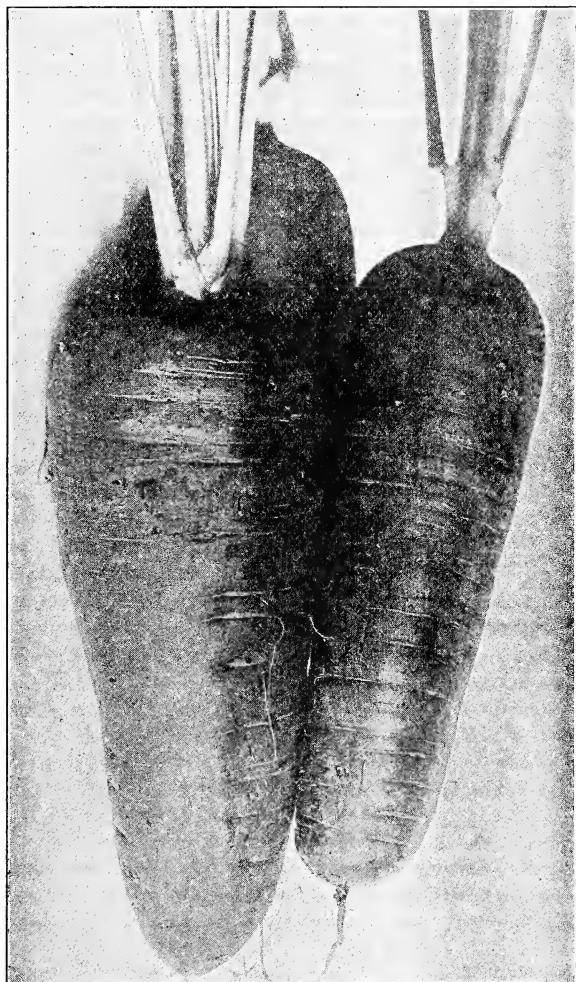
German,—Rhore

French,—Carrotte

Spanish,—Zanahoria

One ounce will sow 100 feet of drill; 3 pounds required for an acre

Carrots require a very finely pulverized soil to grow them to perfection. A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills $2\frac{1}{2}$ feet apart, so as to cultivate by horse. Market gardeners sow in drills about 15 inches apart and cultivate by hand. For early crops cover $\frac{1}{2}$ inch deep, and thin to 6 inches apart in the rows; for late, cover $\frac{3}{4}$ inch deep and thin to 4 inches.



Danvers Half-Long Carrot



PULVERIZED SHEEP MANURE is an excellent fertilizer for Gardens and Lawns. It is entirely free from weed seeds. Put up in 50 and 100 pound bags.



Danvers Half-Long. One of the heaviest croppers; roots dark orange color, 8 to 10 inches in length, and ending in a somewhat abrupt point; first class for all soils.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Oxheart, or Guerande. Roots short and very thick, and intermediate between Scarlet Horn and Chantenay; color deep orange; fine grained.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Large White Belgian. Roots very large and smooth; grown exclusively for stock feeding. Grained.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Improved Long Orange. The best known and most largely cultivated of any Carrot; excellent for stock or table use. Roots deep orange, 12 to 15 inches long.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

CAULIFLOWER

German,—Blumenkohl Spanish,—Coliflor
French,—Chou-fleur

One ounce of seed will produce 1,500 to 2,000 plants if sown in open ground, or about 3,000 in frames

To raise good Cauliflower there is nothing so essential to success as good seed. The best Cauliflower seed is very expensive, but it is worth to the grower ten times as much as cheap and carelessly grown seeds. The best results are obtained from using Snowball for main late crop, as well as for early use.

Early Cauliflower are difficult to raise and are not of the best quality, but when the plants are set out in July and the heads form in October, there is no difficulty in getting fine, large heads of first-class quality. The seed should be sown in open ground or cold frames about the middle of May or first of June, on good soil. When plants are large enough, transplant to rich, moist soil. These remarks refer to Snowball for main late crop, as well as for early use.

Henderson's Early Snowball. This is undoubtedly the finest ever introduced. It is the earliest and produces beautiful snow white heads of the most delicious flavor. The seed we offer is pure and genuine, and sure to prove satisfactory.

Pkt., .20; oz., \$2.50

Extra Selected Dwarf Early Erfurt. The finest strain of the Erfurt Cauliflower; almost as early as the Snowball; grows about 15 inches high; producing very solid, pure white heads of the very finest quality; seldom fails to form a good sized head.

Pkt., .15; oz., \$2.50

All kinds of Insecticides. Spray Pumps, Power Sprayers, etc., always on hand. Call and examine or write for catalogue and prices.

CELERY

German,—Sellerie French,—Celeri Spanish,—Apio
One ounce will produce 3,000 plants

Sow seed the first or second week in April in hotbed or cold frame. As soon as the plants have attained a height of three inches transplant, setting them four inches apart. As fall approaches draw earth up to the plants, keeping the stalks well together. When well blanched it is ready for use. Some of the varieties, such as Golden Self-Blanching and White Plume, may be

blanched by simply placing a board 12 to 15 inches wide on edge on each side of the row.

Giant Pascal. A strong grower and wonderful keeper. Quality very fine.

Pkt., .10; oz., .50

Golden Self-Blanching. A self-blanching early golden-colored variety that is very popular.

Pkt., .10; oz., .75

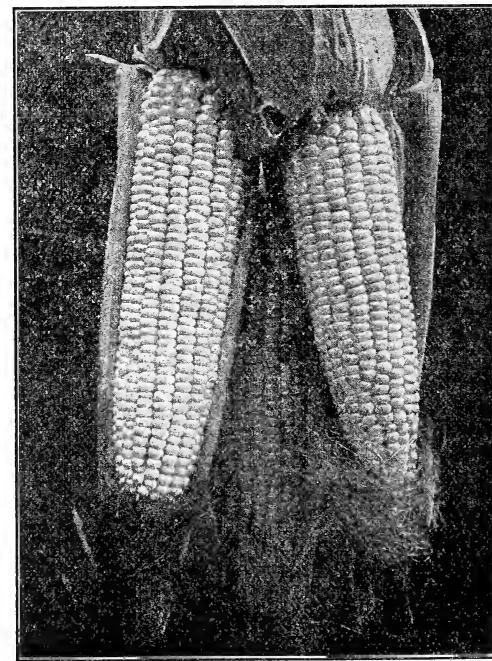
White Plume. A variety that can be more easily grown than any other, as it does not require high banking to blanch the stalks. Simply earthing up enough to keep the stalks together or by passing a string around each plant is sufficient.

Pkt., .10; oz., .50

CORN—Sugar

German,—Welschkorn Spanish,—Maiz French,—Mais
One Half Pound will plant 50 hills; 12 Pounds will
plant one acre in hills

Corn requires a good soil and a warm situation. Commence for first early by planting the early varieties about May 1, and if a continuous supply is wanted all summer, make plantings about two weeks apart from May 1 until the last of July, first planting early varieties, then later ones. Plant in rows 3 feet apart, and make the hills about the same distance apart in the rows. Five kernels in the hills are plenty. Cover about 1 inch deep for early and a little deeper for late. Thin to 3 plants in a hill. Add 6 cents per lb. and for each additional lb. to the same address add 1c, if to be sent by mail.



Crosby's Early

Crosby's Early. An early corn of large size and choice quality. It has long been a standard variety.

$\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Early Red Cory. This variety is the favorite for first early.

½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

White Cob Cory. This is an improvement over the Early Cory as the cob is white, which gives it a finer appearance. It is as early as the Early Cory and of excellent quality.

½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Stowell's Evergreen. The best late corn for all purposes. It has been a leader for many years as a main crop variety and is unexcelled as a market corn.

½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Country Gentleman. This is the finest of the medium late varieties. The rows are zigzag with long slender kernels of delicious flavor.

½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Black Mexican. This corn when in condition for the table cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness.

½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Golden Bantam. The fact that the grains of this variety are yellow is an indication of hardiness and its value for early planting and early maturity. It is a rapid grower, and produces ears measuring about 5 inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the corn when cooked. It is a fine variety for the home garden. **½ lb., .20; 1 lb., .35; 2 lbs., .65; 12 lbs., \$3.50**

FIELD AND FODDER CORN

Prices will be quoted on application on the following corns. Please give the amount desired as well as the kind in all cases.

Southern White. A white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stalks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. Heavy cropper.

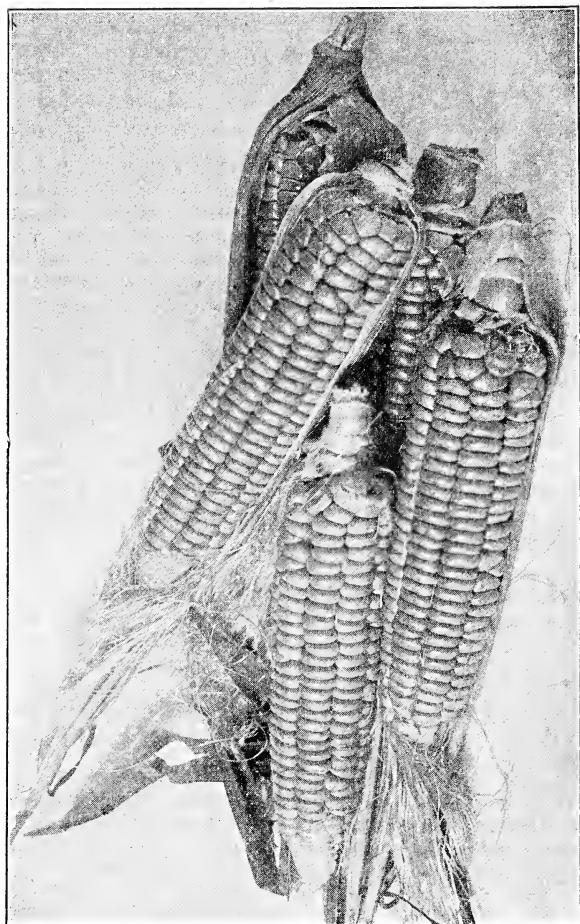
Leaming. An early, very heavy, long-eared corn. Grows to medium height with large amount of foliage. One of the best ensilage corns, very much relished by stock. Cob red, grain yellow.

Red Cob. A very large-growing white dent corn, with red cob. Fodder sweet, juicy and tender. Very popular in northern dairy districts.

Sanford. A well-known variety, adapted to the whole of New England. Kernels silvery white flint color; large and broad. An excellent fodder and ensilage corn.

Eureka. One of the tallest and best ensilage corns grown. Grows very tall and is very productive of ears and leaves. For the silo this corn is rarely equalled.

Early Canada. An eight-rowed, yellow flint variety with small cob and deep grain. This is one of the earliest and best and seldom fails to produce a crop. The Early Canada seed we have to offer was grown in this State.



Golden Bantam

CRESS OR PEPPERGRASS

German,—Areffe

French,—Cresson

Spanish,—Masuerzo

One ounce will sow 16 square feet,* or 150 feet of drill

A popular salad, which should be sown early in the spring—very thickly in shallow drills—and at short intervals, for success, as it soon runs to seed.

Extra Curled. A small plant, having a fine pungent flavor, and used as a salad; may be cut two or three times.
Pkt., .10; oz., .15; ¼ lb., .35

True Water Cress. Grows along the banks of ponds and streams, and is easily introduced, wholly unlike Extra Curled; leaves are quite large and thick; a fine salad, sold in immense quantities in the large markets in spring.
Pkt., .10; oz., .60; ¼ lb., \$1.25

CHERVIL

One ounce will sow about 300 feet of drill

Cultivated like parsley. Sow thickly in May, in drills half an inch deep, one foot apart. Use while the leaves are young and tender.

Curled Chervil. The young leaves are used for garnishing, and flavoring soups.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .45

CUCUMBER

German,—Gurfe

French,—Concombre

Spanish,—Pepino

One ounce will plant 50 hills; 2 pounds will plant an acre

Culture.—For earliest use, sow the seed in the hotbed or greenhouse in February or March, in warm loam, where the temperature is about 90 degrees. Cover half an inch deep, and when the plants are of fair size transplant into hills (made in the greenhouse), four plants in a hill, so that when the weather permits, the whole hill can be moved to the open ground by means of tins made for that purpose. Plant for general use in the open ground about June 1, in hills 6 feet each way, and thin to three plants in a hill. Fine old manure (about six cords per acre) is sufficient; or, better still, plant on land from which a crop has been taken, and which was heavily manured for that crop.

Davis Perfect. As now selected, this popular new variety is well worthy of praise. The long, even fruits are of fine form, with an intensely dark rich green skin. With very few seeds, the solid white flesh is of superb quality for slicing. So handsome and regular are the fruits that they bring an extra price on market—often being taken for "hot-house grown." The vines are of strong growth and quite prolific.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Extra Early Russian. Earliest variety known; hardy and productive. Fruit very small and quality fine for pickling and slicing. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Early Cluster. Fruit borne in pairs; light green; a great bearer. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Early Frame or Short Green. An excellent sort, both for table use and for pickling.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Early Fortune. An early variety, very productive, and of large size. Dark green in color which does not fade. The shape is uniform and the quality very fine.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Boston Pickling. Fruit short, smooth and pointed at each end, bright green and a great yielder; one of the best pickling. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

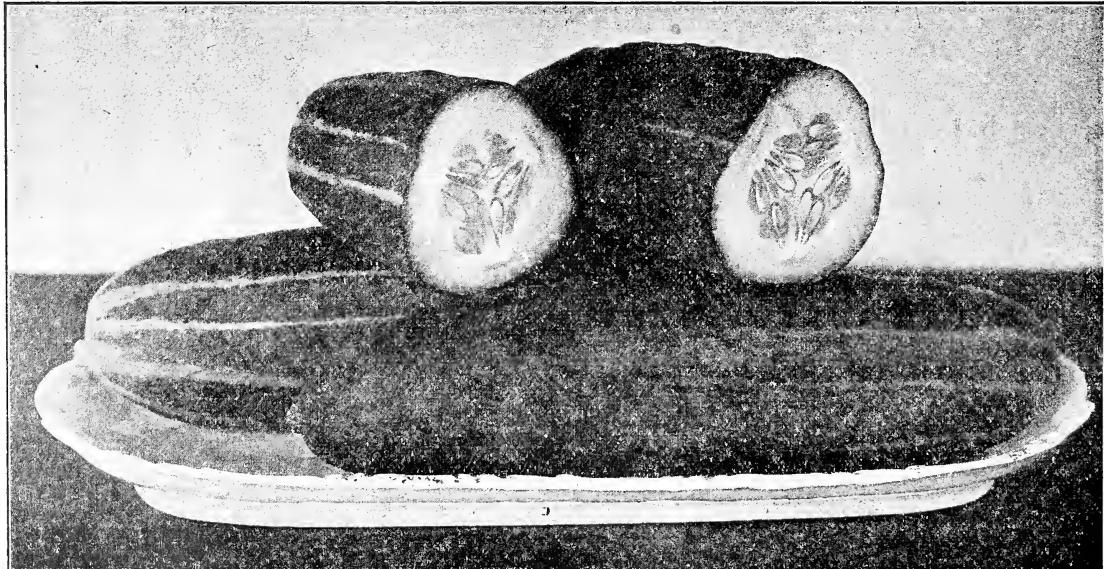
White Spine Improved. The most popular strain of White Spine, and for general out-door culture, the best. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Long Green Improved. Fine for pickling when small; good for table use when about half grown.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Japanese Climbing. Vines are extra strong and foliage much more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving much valuable space in small gardens. It is very prolific, from forty to fifty cucumbers having been counted on single plants. Fruit cylindrical, about ten inches long, thick and of fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60



White Spine Cucumber

DANDELION

German,—Lowenzahn French,—Pissenlit
Spanish,—Amargon

One ounce will sow 100 feet of drill

The Dandelion resembles endive, and affords one of the earliest as well as one of the most healthful spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows 12 inches apart, covering seed $\frac{1}{4}$ of an inch deep, and firming the soil well over them. Thin to two or three inches apart in the rows; by so doing the roots will be larger and a great amount of time will be saved the next spring in trimming or gathering the crop. One pound per acre is sufficient.

Improved Thick-Leaved. Cultivate for spring greens; an immense improvement on the common dandelion, both in size and thickness of its leaves and fine flavor, being far less bitter. Pkt., .10; oz., .75; $\frac{1}{4}$ lb., \$2.50

EGGPLANT

German,—Gierpanze French,—Aubergine
Spanish,—Berengena

The Eggplant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hotbed or warm greenhouse in March or April, and when about an inch high potted in two-inch pots. Plant about June 1, two and one-half feet apart.

New York Improved Purple. The leading market variety, and undoubtedly the best for size, quality and productiveness. Pkt., .10; oz., .60

ENDIVE

German,—Gendive French,—Chicoree
Spanish,—Endivia

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

Broad-leaved Batavian (Escarolie). This variety is chiefly used in soups and stews; requires to be tied up in blanching. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75



Endive

KALE OR BORECOLE

German,—Blatter-Kohl French,—Chou Vert
Spanish,—Breton

One ounce will produce 3,000 plants

Sow from the middle of April to the beginning of May in prepared beds; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate. The varieties are all extremely hardy, and are best when touched by frost.



Kale

Tall Curled Scotch. Plants of this variety grow two to three feet in height, bearing long, plume-like, light green leaves which are much cut and deeply curled at the edges. Very hardy.

Dwarf Green Curled Scotch. Rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

KOHL RABI

German,—Rohl-Rab French,—Chou-Rave
Spanish,—Col de nabo

One ounce will sow 200 feet of drill

This vegetable, the popularity of which is rapidly increasing, combines the virtues of the turnip and cabbage, but excels both in nutritive, hardy and productive qualities. The seed may be sown in June in rows 18 inches apart, and the plants thinned out to eight or ten inches in the rows.

Purple Vienna. A little later than the White; color bluish purple. Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

Large Green or White. Good for table and also for feeding stock. Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

Use one of our Garden Seeders and save seed,
get a more uniform growth and larger crops.

LEEK

German,—Lanch

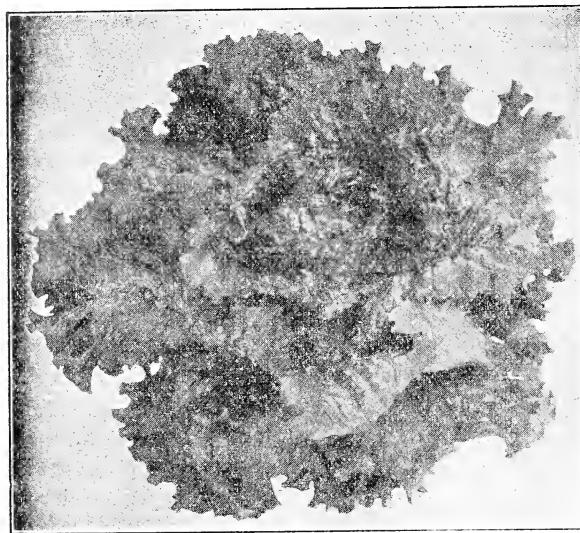
Spanish,—Puerro

One ounce will plant 200 feet of drill

The leek is very hardy and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in the spring as practical in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way as deep as possible, that the neck, being covered, may be blanched.

American Flag Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

LETTUCE



German,—Lattich

Spanish,—Lechnga

French,—Laitue

One ounce will sow 120 feet of drill

Requires a rich, moist soil, and to be crisp and tender needs to be grown in cool weather. For winter use, sow in hotbeds every two weeks, at the rate of one ounce of seed to four sashes (a sash is three feet long by six feet wide); cover very lightly, and transplant, first to three inches apart each way, afterward to eight inches. For garden or field, sow in rows, cover one-fourth of an inch deep and thin out to 12 inches apart in the rows. For New England the White Seeded Tennisball for cultivation under glass, and the Black Seeded Tennisball for outdoor use are the standard varieties.

Big Boston. A most desirable variety, either for forcing in cold frames or open ground planting; always produces large, solid, saleable heads.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Boston Curled. Of ordinary quality but great beauty; highly ornamental in growth with its frilled leaves.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Prize-Head Early. Leaves green and red, very thin, crisp and tender; one of the best for private use.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Tennisball, Black-Seeded. A very popular sort for open-ground culture; forms a handsome head, and is crisp and tender.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Simpson Early Curled (White Seed). A leading early sort for forcing or open ground.

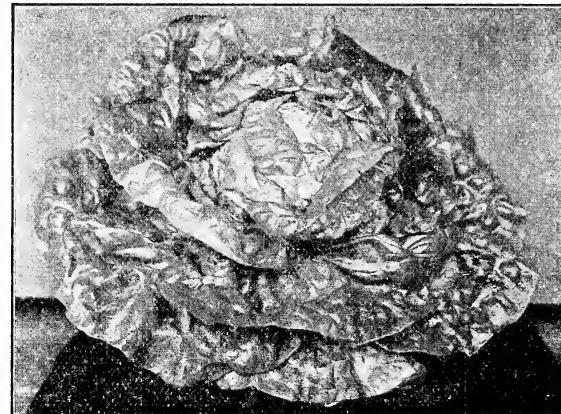
Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Tomhannock. A variety with upright leaves, beautifully wrinkled, edges of outer leaves have reddish tinge; one of the best.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

May King. Probably the finest all-seasons lettuce yet introduced. It is very early and hardy, and will stand cold, damp weather better than many varieties. Planted out of doors or under glass it will produce fine solid heads much sooner than any other variety. Outer leaves are yellowish green, tinged with brown, while the inside is a rich yellow.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60



May King

Iceberg. A large, late, cabbage heading variety. Heads very firm and well blanched. Color, medium green.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Grand Rapids. An excellent forcing variety with loose heads and of good size and form.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Brown Dutch. Leaves large, thick, green, tinged with brown; forms large, solid heads; exceedingly hardy.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Hanson. Large, solid heads; tender, crisp and of a fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

For the Lawn
PURITY LAWN SEED
IS BEST

MELON, MUSK

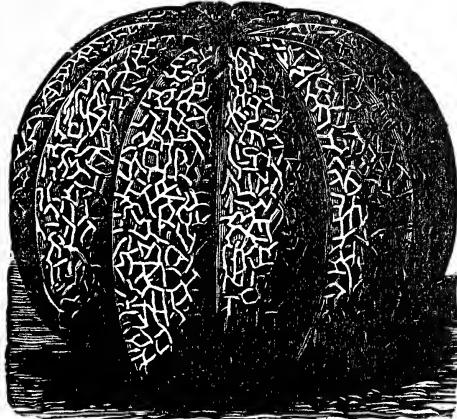
German,—Melone

French,—Melon

Spanish,—Melon

One ounce will plant about 50 hills (2 to 3 pounds in hills) per acre

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for Muskmelons; eight feet for Watermelons. Previous to sowing the seed mix a few shovelfuls of well-rotted manure in each hill, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



Musk Melon

Emerald Gem Melon. The Emerald Gem is entirely unlike any other muskmelon yet introduced. The melons are about the size of the Netted Gem, but unlike that variety, the skin, while ribbed, is perfectly smooth, and of very deep emerald green color. The flesh which is thicker than any other native melon of the size, is of a suffused salmon color, and ripens thoroughly to the thin green rind, which is distinctly defined. The flesh is peculiarly crystalline in appearance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early and is quite productive.

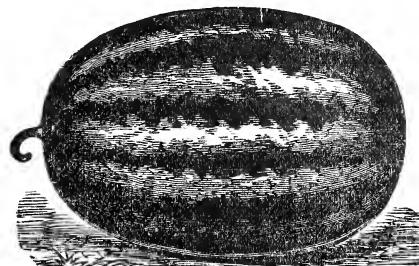
Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50

Rocky Ford. This new Muskmelon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Col., who have shipped this melon from that distant Western point to Eastern markets. The melons grown by them are so fine in quality as to outsell all others, and the demand for such melons has been far beyond the supply. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50

Long Yellow Musk. A long, large melon of peculiar musky flavor; a rich, yellow color, both inside and out.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50

Early Hackensack. An improvement over the old Hackensack, producing melons of as good quality and ten days earlier. Large fruit, with thick, green flesh of the finest flavor. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50



MELON, WATER

German,—Waffermelone

Spanish,—Zandia

French,—Melon d'Eau

One ounce will plant 50 hills

Prices on all varieties of Watermelons as follows:
.10 per pkt.; .15 per oz.; $\frac{1}{4}$ lb., .40.

Cole's Early. An excellent variety. One of the earliest. Hardy, medium size, nearly round, dark green, striped a lighter shade; flesh deep pink.

Phinney's Early. This is another early melon of fine quality; suitable for growing in New England. Medium size, oblong in form, mottled green; flesh bright scarlet and very sweet.

Citron for Preserves. The old and well-known Preserving Citron; seeds red.

MUSTARD

German,—Senf

French,—Moutarde

Spanish,—Mostaza

One ounce will sow 75 feet of drill

As an ingredient, the green Mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the spring, in drills from eight to twelve inches apart.

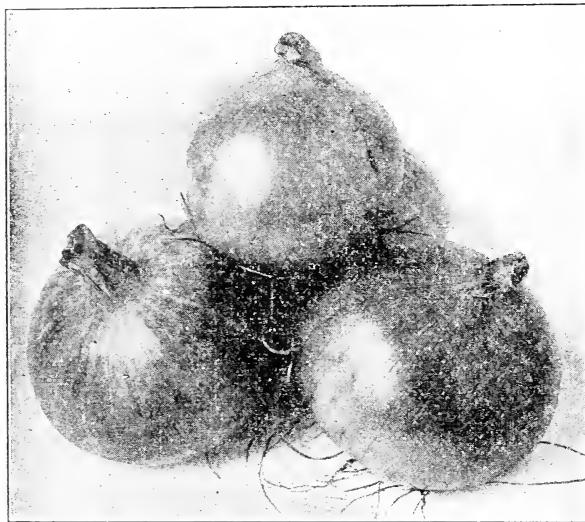
White London. Considered the best for salads and spinach; leaves light green. It is best when about four inches high.

Oz., .10; $\frac{1}{4}$ lb., .15

ONION

Select the cleanest, richest land on the farm for the Onion crop. If onions were grown on the land the previous year, so much the better, but any good corn or potato land will do. Broadcast fifteen to twenty cords of fine, well-rotted manure to the acre and plow not deeper than six inches; harrow thoroughly, cross plow, and harrow again, after which hand rake with wood rake and remove stones and rubbish. Sow four to five

pounds of seed per acre in drills twelve to fourteen inches apart and about one-half inch deep. See that the Seed Drill is equipped with a good roller, that will press the earth firmly upon the seed. Sow as early in the spring as the ground can be properly worked. There is seldom necessity for thinning Onions if the land has been properly manured and seeded. After the Onions are three to four inches high, an application of about five hundred pounds to the acre of fertilizer, rich in available nitrogen, strewn between the rows, will be very beneficial. Keep the Onions growing by never allowing the weeds to get ahead and the acre should produce in a good average season, five hundred to seven hundred bushels. When the tops are down, the Onions may be pulled and left on the ground, and should be frequently turned with a wooden rake until tops are dried.



Yellow Globe Danvers

Yellow Globe Danvers. Undoubtedly the best known and most popular of all onions; the earliest yellow variety; is entirely free from stiff necks. Globular in shape; has a small top. It is the most productive onion grown.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.00

Large Red Wethersfield. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields enormously and is one of the best winter keeping onions.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.00

White Portugal, or Silverskin. A large, flat, white onion of mild and pleasant flavor; hard and fine grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.00

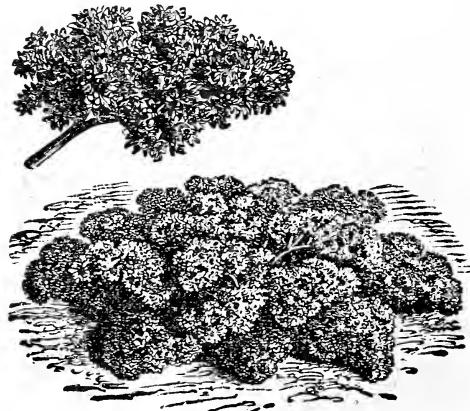
Prize-Taker. A globe-shaped variety of delicate straw color, growing to a very large size. It ripens up hard and firm, the flesh being pure white. Fine grained and of fine, mild, delicate flavor.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.00

ONION SETS

Potato Onion Sets.....	lb., .30; 8 lbs., \$1.75
Red Bottom Sets.....	lb., .30; 8 lbs., 1.75
White Bottom Sets.....	lb., .30; 8 lbs., 1.75
Yellow Bottom Sets.....	lb., .30; 8 lbs., 1.75
Top Sets.....	lb., .30; 8 lbs., 1.75

Onion sets should be planted as early in the spring as convenient to obtain early green onions, but they may be set at any time up to June 1. Set in rows a foot apart and three to four inches between them in the row. Any good soil will suit them. When grown in quantities, high cultivation is given in order to forward the crop for an early market. They are ready for use as soon as the bulbs begin to be of fair size. Those not used in green condition will ripen early in July and make nice onions. Potato and Top onions are grown from bulbs only.



Moss Curled

PARSLEY

German,—Peterfile	French,—Persil
Spanish,—Perejil	
One ounce for 150 feet of drill	

Parsley succeeds best in rich, mellow soil. As the seed germinates very slowly, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep.

Champion Moss Curled. The standard variety.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50

PARSNIP

German,—Pastinake	French,—Panais
Spanish,—Pastinaca	

One ounce for 150 feet of drill; five pounds in drills for an acre

Sow in drills as early in spring as the weather will admit, fifteen inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for

winter use, leaving the rest in the ground till spring, to be dug as required.

Prices on all varieties of parsnips as follows:

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; prices in quantity on application.

Abbott's Improved Hollow Crown. Smooth and quite large; fine sort.

Guernsey. Roots not quite so long as Hollow Crown, but of greater diameter and more easily gathered.

Long Smooth. As name implies, very smooth, free from roots, and a general favorite.

PEAS

German,—Erbren

French,—Pois

Spanish,—Guizante

One pound for 50 feet of drill; one to two bushels in drills for an acre

Peas come earliest to maturity in light, rich soil. For general crop, a deep loam or a soil strongly inclined to clay is best. For early crops decomposed leaves or leaf-mold should be used; or, if the soil is very poor, strong manure may be used. For general crops a good dressing should be applied, and for the dwarf-growing kinds the soil can hardly be too rich. When



Sutton's Excelsior

grown as a market crop, peas are never staked; for private use they are generally sown in double rows, and the tall varieties staked up by brush. For an early crop sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra-early sort for fall use.

If sent by mail add .08 per lb.; and for each additional lb. to the same address add .01.

All marked thus (*) indicate wrinkled varieties.

Extra Early Dwarf Varieties

***Notts Excelsior.** This is the earliest dwarf wrinkled pea. The plant is dwarf and needs no support. The pods are of good size and well filled with large peas of the finest quality. It is as early as the American Wonder, while the vines are much more productive and the pods of larger size. There is no better early dwarf pea. Fifteen inches Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Sutton's Excelsior.** Ripens early on vines fourteen to sixteen inches high, covered with a great abundance of long, straight, broad pods of a pale green color. Price 1b., .35; 2 lbs., .60; 14 lbs., \$3.50

***Laxtonian.** One of the best dwarf wrinkled peas for the market gardener. Pods about 4 inches long, resembling those of Gradus, but ripening a little earlier. Vines productive and vigorous; average height less than 18 inches. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

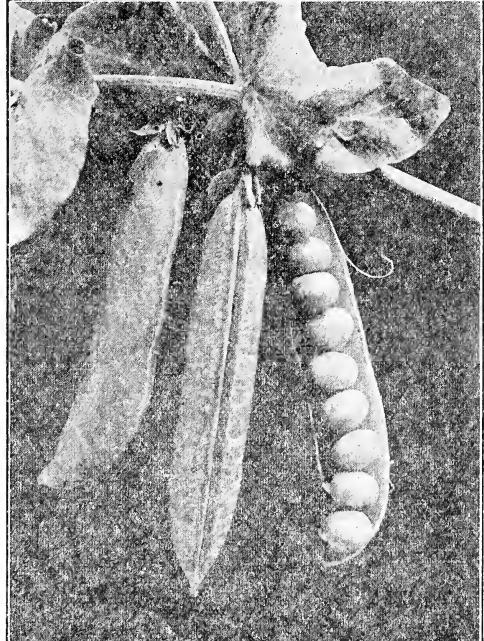
***Pioneer.** An improvement on the popular Laxtonian. Vines about 20 inches high; color, light green. Vigorous growth. The pods pointed and a little darker in color than the vine. Considered fully four days earlier than the Laxtonian.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Blue Bantam.** A splendid large podded dwarf variety of the Laxtonian class. Vines about 15 inches high. Pods deep green, about 4 inches long. Fine quality. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Peter Pan.** One of the very finest of the large podded dwarf variety of the Laxtonian class, though somewhat earlier. Vines 15 inches. Pods straight and pointed. Quality best.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50



Thomas Laxton

PEAS (Continued)

Extra Early Variety Not Dwarf

Alaska. An extra early round pea bearing pods of a dark green color; two feet.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Gradus or Prosperity.** It combines the finest quality with extreme earliness, and is also productive, bearing pods fully as large as Telephone. The color of the shelled peas is a beautiful light green, which color they retain after being cooked; the quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***World's Record.** An improved type of Gradus, bearing slightly earlier, more dwarf and very productive. Height, 2 feet. Pods medium green, 4 inches long. Very fine quality.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Thomas Laxton.** One of the very best of the tall growing, large pod, early peas. The plant is a very hardy and strong grower, producing extra large pods in abundance. The quality is delicious, and cannot be surpassed by any other variety. The "Thomas Laxton" will mature nearly as early as any of the extra early smooth peas, and being a wrinkled sort is much sweeter.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Early Morn.** One of the earliest and most productive. The pods are very large and well filled. Very fine flavor.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

Second Early Varieties

***Telephone.** A pea of the finest quality, sweet and delicious. Medium late, growing four feet tall with pods of the largest size.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Bliss Everbearing.** Medium late and very productive. Two feet tall.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Dwarf Champion.** Possesses all the merits of the reliable Champion of England. A hardy, robust grower, producing dark green pods of good size and in great abundance. Quality excellent.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone except in the height of the vine, which is only about two feet.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

Late Variety for General Crop

***Champion of England.** The standard for quality. Grows four feet tall, very prolific, and still one of the best late peas.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

White Marrowfat. A good late sort. Cultivated very extensively for the summer crop.

Lb., .25; 2 lbs., .45; 15 lbs., \$2.40

Black-Eyed Marrowfat. An old and standard late variety for garden or field use.

Lb., .25; 2 lbs., .45; 15 lbs., \$2.40

Canada Field. Seeds small white; for field culture only; largely used for sowing among oats. Price

Lb., .10; 15 lbs., \$1.35

PEPPER

German,—Pfeffer

French,—Piment

Spanish,—Pimiento

One ounce will produce 2,000 plants

Grown largely for pickles. Sow in hotbeds early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil in rows 18 inches apart. They may also be sown in the open ground when danger of frost is past.

Large Bell, or Bull Nose. A favorite and well-known pickling sort. Is early, large, mild and thick skinned.

Pkt., .10; oz., .50

Long Red Cayenne. A small, long, bright red sort, very productive; extremely strong and pungent.

Pkt., .10; oz., .75

PUMPKIN

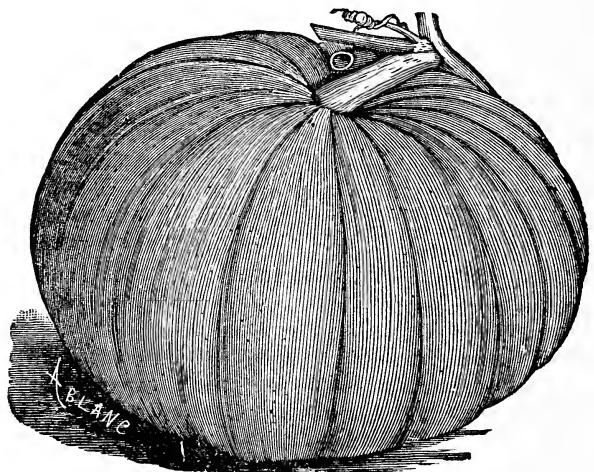
German,—Kürbis

French,—Potiron

Spanish,—Cabbage

One ounce will plant 20 hills

Pumpkins are grown chiefly as food for stock. The usual method of planting is to scatter a few seeds at intervals in the hills when planting Indian corn; in this way good crops of pumpkins are secured with slight labor and expense, and make a valuable addition to the season's crops.



Connecticut Field. The common yellow pumpkin, grown chiefly for feeding stock.

Pkg., .10; oz., .15; $\frac{1}{4}$ lb., .30; lb., \$1.00

Sweet or Sugar. A small variety, fine-grained and sweet; the best for table use.

Pkg., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.25

Buy one of our Garden Seeders. You can save the price of it in one season in time and seed. It is the most economical of seeders made. Send for catalog and prices.

RADISH

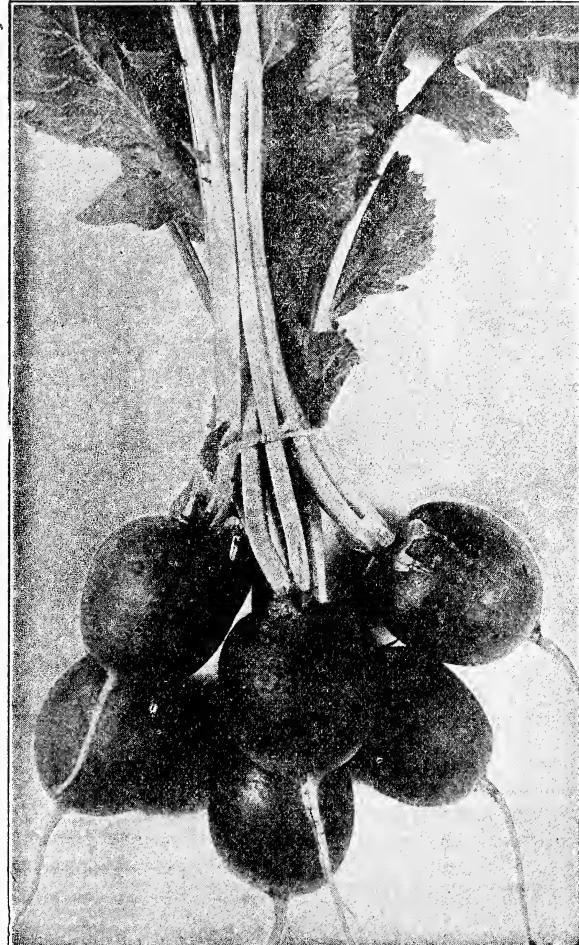
German,—Rettig, Rabies

Spanish,—Rabano

French,—Radis, Rave, Petite Rave

One ounce will sow 100 feet of drill

Culture. The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend very much upon their rapid growth. For very early use sow in hotbeds in February and March and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.



Early Scarlet Turnip Radish

French Breakfast. Olive-shaped scarlet, with white tip; crisp and tender. Very early. A general favorite.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Early Scarlet Turnip. A well known and popular variety. Small top of quick growth, mild and crisp.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

China Rose. Bright rose-colored skin; flesh white and quality excellent; one of the best for fall and winter use.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long White Vienna. Of rapid growth and beautiful shape; skin and flesh snow-white. The finest of long white radishes.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long Black Spanish. Long black, flesh white and slightly pungent; one of the latest and hardest.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Round Black Spanish. Skin black, white fleshed and piquant flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Vick's Scarlet Globe Radish. A leader among bright round Red Radishes. Quick maturing, extremely attractive, short tops, solid and fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Early Scarlet Turnip, White Tipped. One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. Roots slightly flattened on the under side; color, very deep scarlet with a white tip; flesh white and of the best quality.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Crimson Giant Forcing. Best of forcing sorts. Grown larger than other turnip shaped varieties and fine eating.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long Scarlet. Short top. The standard variety of the long sorts, used either for forcing or open culture; six or seven inches long.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Chartier. Decidedly distinct in appearance from any radish in cultivation. The color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

SALSIFY OR OYSTER PLANT

German,—Bocksbart

French,—Salsifis

Spanish,—Ostra vegetal

One ounce will sow 50 feet of drill

Culture. Sow the seed in light, deep soil, early in the spring, in drills twelve inches apart and one inch deep, thinning out the young plants to four or five inches. The roots will be ready for use in October, when a supply should be taken up and stored, like carrots. Those remaining till spring should be dug up before commencing their growth.

Mammoth Sandwich Island. We consider this the largest and most profitable salsify in cultivation. It is pure white in color and invaluable to market gardeners.

Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

SUNFLOWER

Mammoth Russian. The standard large-growing variety, which is used largely for feeding poultry.

$\frac{1}{4}$ lb., .10

SPINACH

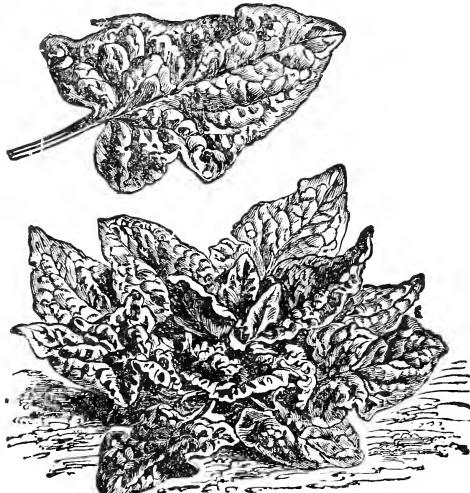
German,—Spinat

Spanish,—Espinaca

French,—Epinard

One ounce for 100 feet of drill; 10 to 12 pounds in drills
for an acre

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender when grown in rich soil.



Spinach

Giant Thick Leaf. This variety gives the best results. The leaves are large, thick and somewhat crumpled, and it is equally good for spring or autumn sowing.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .25; lb., .75

King of Denmark. A fine long season variety remaining longer than most varieties before going to seed; leaves large, crumpled and blistered. Deep green color. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .25; lb., .75

Long Standing Thick Leaved. Stands longest before running to seed; dark green.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .25; lb., .75

New Zealand. A valuable variety for the garden as it produces the thick, tender leaves throughout the summer. Grows very large and luxuriantly in warm, rich soil. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.75

TOMATO

German,—Liebsapfel

Spanish,—Tomate

In this latitude to produce extra early tomatoes the seeds should be planted in the hotbed about the middle of February, in drills five inches apart, and not over one-half inch deep.

For ordinary plants, sow the seed early in March.

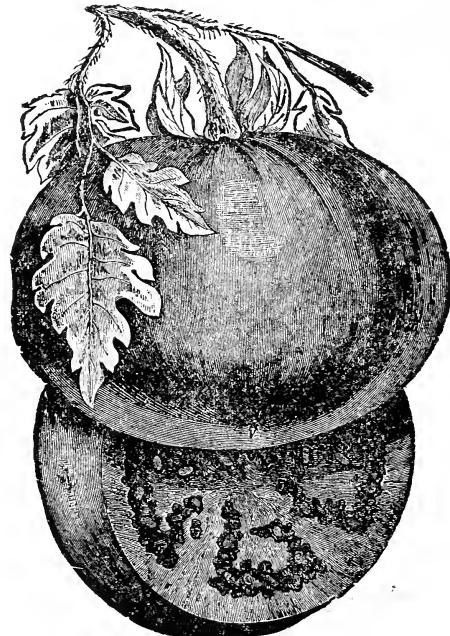
When the plants are two inches high they should be transplanted three to four inches apart. The final transplanting to the open ground may be made the last of May, when the plants should be fine, large and stocky, and if sufficient soil is taken up with each plant, they will keep right on growing with no setback.

Red Head. An early variety, bright red in color, round and smooth, uniform in size and with an excellent flavor.

Pkt., .10; oz., .40

Earliana. It is remarkable for its earliness, very large size, handsome shape and bright red color. Its solidity and fine qualities are equal to the best medium and late sorts.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25



Dwarf Champion

Dwarf Champion. Dwarf and strong habit of growth; very solid and of extra quality.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Ponderosa. Very large, solid and of a good flavor. Specimens have been grown to weigh four pounds. Bright red. Very few seeds.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Stone. Fruit very large and deep; bright scarlet, smooth, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed, of the finest quality; one of the best for family use and for canneries. Late.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Chalk's Early Jewel. This is a very productive variety. Ripens nearly as early as Spark's Earliana, but is more desirable for home use as the fruits are thicker through and more solid; borne in large clusters. Color bright scarlet and quality good.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Extra Early Purple Top Milan (Flat). The earliest turnip in cultivation and a splendid variety; favorite with gardeners who want first turnips in market. Bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60; lb., \$2.00

Extra Early White Milan. This is one of our most popular turnips for spring sowing. It is a splendid extra early turnip in which the extreme earliness, small top and tap-root of the Purple Top Milan is united with clear white skin and flesh.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60; lb., \$2.00

Purple Top Strap Leaf. Rapid grower and mild flavor. The most popular variety for early use, either for the table or stock. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Yellow Stone. A very popular yellow-fleshed variety, fine for table use. Flesh very firm, tender, sweet and fine flavored; an excellent keeper.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

White Egg. Belongs to the class of quick-growing fall turnips, and for this purpose should be sown in this latitude between August 1 and 10. Its shape is nearly oval or egg, as its name would indicate.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00



Ruta Baga or Swedish Turnip

Ruta Bagas, or Swedes, should be planted from the last of June to about July 10, as they require more time in which to mature than the Early or Strap Leaf varieties. Newly-turned soil will produce the sweetest and smoothest turnips.

Long Island Purple. Undoubtedly the finest variety of purple-top Ruta Baga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

White Sweet German. Sweet, and fine flavor. Good keeper. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Skirving's Purple Top. Well-known yellow fleshed variety of large size and fine quality; for stock or table. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Imperial Hardy Swede. Claimed by many to be the best Swede turnip grown. Bulb of large size with purple crown; flesh yellow; very smooth and heavy cropper.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

HERBS

Dill.....	Pkt., .10
Sage, Broad Leaf.....	Pkt., .10
Summer Savory.....	Pkt., .10
Catnip.....	Pkt., .10

QUANTITIES SEED REQUIRED

Kind of vegetable	Seeds or roots required for 100 feet of drill	One Acre	Distance between rows	Space in rows
Asparagus, seed	1 oz.	5 lbs.	30 to 36 in.	3 in.
Asparagus, roots	60 to 80		3 to 5 ft.	15 to 20 in.
Beans, dwarf	1 pt.	1 bu.	30 to 36 in.	2 in.
Beans, pole	$\frac{1}{2}$ pt.	$\frac{1}{2}$ bu.	3 to 4 ft.	3 to 4 ft.
Beets	1 oz.	6 lbs.	28 to 36 in.	2 in.
Brussels sprouts	$\frac{1}{4}$ oz.	2 oz.	30 to 36 in.	16 to 24 in.
Cabbage, late	$\frac{1}{4}$ oz.	$\frac{1}{4}$ lb.	30 to 40 in.	16 to 24 in.
Carrot	$\frac{1}{2}$ oz.	2 lbs.	30 to 36 in.	2 in.
Cauliflower	$\frac{1}{4}$ oz.	1 oz.	30 to 36 in.	14 to 18 in.
Celery	$\frac{1}{4}$ oz.	$\frac{1}{4}$ lb.	3 to 6 ft.	2 in.
Corn, sweet	$\frac{1}{2}$ pt.	6 qts.	16 to 42 in.	4 to every 3 ft.
Cress water	$\frac{1}{2}$ oz.		Broadcast	
Cucumber	$\frac{1}{2}$ oz.	2 lbs.	4 to 6 ft.	4 every 3 ft.
Eggplant	$\frac{1}{4}$ oz.	$\frac{1}{4}$ lb.	30 to 36 in.	18 in.
Endive	1 oz.	2 lbs.	30 in.	12 in.
Kale, or borecole	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	18 in.
Kohlrabi	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	6 in.
Leek	$\frac{1}{2}$ oz.	4 lbs.	30 to 36 in.	4 in.
Lettuce	$\frac{1}{2}$ oz.	3 lbs.	30 in.	6 in.
Muskmelon	$\frac{1}{2}$ oz.	2 lbs.	6 to 8 ft.	4 every 4 ft.
Watermelon	1 oz.	2 lbs.	8 to 12 ft.	4 every 6 ft.
Mustard	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	4 or 5 to 6 ft.
Onion, seed	1 oz.	4 lbs. - 5 lbs.	24 to 36 in.	2 in.
Onion, sets	1 qt.		24 to 36 in.	4 or 5 to 6 ft.
Parsley	$\frac{1}{4}$ oz.	3 lbs.	24 to 36 in.	3 in.
Parsnip	$\frac{1}{2}$ oz.	3 lbs.	30 to 36 in.	2 in.
Peas	1 pt.	1 bu.	3 to 4 ft.	1 in.
Pepper	$\frac{1}{6}$ oz.	2 oz.	30 to 36 in.	15 in.
Potatoes, Irish	5 lbs.	16 bu.	30 to 36 in.	14 in.
Pumpkin	$\frac{1}{2}$ oz.	4 lbs.	8 to 12 ft.	4 every 6 ft.
Radish	1 oz.	10 lbs.	24 to 36 in.	1 in.
Rhubarb, seed	$\frac{1}{2}$ oz.		36 in.	6 in.
Rhubarb, roots	33 roots		3 to 5 ft.	3 ft.
Ruta baga	$\frac{1}{4}$ oz.	2 lbs.	30 to 36 in.	6 in.
Salsify	1 oz.	8 lbs.	30 to 36 in.	2 in.
Spinach	1 oz.	8 lbs.	30 to 36 in.	2 in.
Squash, summer	$\frac{1}{2}$ oz.	4 lbs.	3 to 4 ft.	4 every 4 ft.
Squash, winter	$\frac{1}{2}$ oz.	2 lbs.	7 to 10 ft.	4 every 6 ft.
Tomato	$\frac{1}{2}$ oz.	1 $\frac{1}{2}$ oz.	3 to 5 ft.	3 by 4 ft.
Turnip	$\frac{1}{2}$ oz.	1 lb.	24 to 36 in.	2 in.

VEGETABLE AND FLOWER PLANTS

We have in their season a choice assortment of both vegetable and flower plants.

Tomato Plants. Dwarf Champion, Chalk's Jewel, Earliana, etc.

Cabbage Plants. All Seasons, Stone Mason, Drum-head, Danish Ball Head, Early Summer, etc.

Cauliflower. Snowball.

Celery. Giant Pascal, Golden Self-Blanching, White Plume.

Flower Plants. Pansies, Verbenas, Stocks, Salvia, Aster, Zinnias, Phlox.

Our Plants are all grown for us locally and are hardy and vigorous. Prices as low as can be made and furnish good, strong, healthy plants.

BIRD SEED

Add 8c per lb., each additional lb. add .01 for postage. Price subject to variations of the Market.

Canary. Sicily, selected **Sunflower.** Russian

Hemp. Russian, first quality **Millet**

Rape. Cuttle Fish **Unhulled Rice**

Grasses and Grains

NOTE—Owing to the frequent changes in price of Grains and Grasses we have refrained from inserting prices of them in this catalogue. The lowest market price will be quoted on application.

SPECIAL ATTENTION

While we carry several grades of the different varieties of seeds, we recommend our Purity Brand as the very best the market affords. These seeds are strictly Northern grown, and are selected by us because they possess the two essential qualities of purity and vitality. It is well known that there have been large quantities of Grass and Clover Seed sold as pure, which official analysis has shown to contain large percentages of adulteration. This not only defrauds the planter by selling him a worse than useless article, but inflicts injury also by filling his land with noxious weeds. We list Grass and Clover Seed according to their quality, grading down from our Purity Brand, which is always the best.

**Timothy, Clovers, Millets, Red Top
in several grades**

**Purity Brand Lawn Seed
Our own mixture, from the purest seeds obtainable.
We can surely please you on this brand.**

CHOICE GRASS SEEDS FOR LAWN AND FARM

Timothy	Canadian Blue Grass
Medium Red Clover	Orchard Grass
Mammoth Red Clover	English Rye Grass
Alsyke Clover	Meadow Fescue
White Clover	Rhode Island Bent
Crimson Clover	Meadow Oat Grass
White Sweet or Bokhara Clover	Sheep's Fescue
Alfalfa Clover	Crested Dog's Tail
Red Top	Sweet Vernal
Kentucky Blue Grass	

Millets

Hungarian	Japanese	Siberian
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Grains Prices subject to Market Changes

Barley, Fancy No. 1, Two-Rowed.
Barley, Beardless.
Seed Oats, No. 1, Maine 340.
Spring Rye. Best Northern grown.
Winter Rye. New England grown.
Spring Wheat. Northern grown.
Winter Wheat. Northern grown.
Buckwheat.

Miscellaneous Seeds

Canadian Field Peas	Dwarf Essex Rape
Soja Beans	Spring Vetch
Cow Peas	Winter Vetch

TABLE

Showing Weight per Bushel, also Quantities sown per acre of Grass, Grain and Vegetable Seeds

	Weight per Bushel	Quantity per acre Usually Sown		
Timothy	45 lbs.	½ bu.	Yellow Oat Grass	8 lbs.
Clover, Red	60 lbs.	10 to 20 lbs.	Meadow Fescue	15 lbs.
Clover, Alsyke	60 lbs.	10 to 15 lbs.	Tall Fescue	15 lbs.
Clover, White	60 lbs.	10 to 15 lbs.	Sheep Fescue	12 lbs.
Clover, Crimson	60 lbs.	10 to 15 lbs.	Hard Fescue	14 lbs.
Clover, Alfalfa	60 lbs.	15 to 20 lbs.	Meadow Foxtail	8 lbs.
Red Top, unhulled	10 lbs.	2½ to 3 bu.	Rough Stalked Meadow	4 lbs.
Red Top, cleaned	30-40 lbs.	10 to 15 lbs.	Wood Meadow	14 lbs.
Millet, Hungarian	48 lbs.	½ to 1 bu.	Crested Dog's Tail	28 lbs.
Millet, German	50 lbs.	½ to 1 bu.	Sweet Vernal	11 lbs.
Millet, Japanese	35 lbs.	½ to ¾ bu.	Seed Barley	48 lbs.
Millet, Siberian	50 lbs.	½ to 1 bu.	Seed Wheat	60 lbs.
Bent, Fancy	35 lbs.	15 bu.	Seed Rye	56 lbs.
Bent, R. I.	10 lbs.	3 bu.	Seed Oats	32 lbs.
Orchard Grass	14 lbs.	2 to 3 bu.	Seed Buckwheat	48 lbs.
Blue Grass	14 lbs.	2 to 3 bu.	Flax	56 lbs.
Fowl Meadow	11 lbs.	1 to 2 bu.	Canary	60 lbs.
Lawn Seed	16 lbs.	3½ to 4½ lbs.	Hemp	40 lbs.
Lawn Seed, Special	40 lbs.	1½ to 2 bu.	Rape, German	50 lbs.
Perennial Rye Grass	24 lbs.		Rape, Dwarf, Essex	50 lbs.
Italian Rye Grass	18 lbs.		Corn, Field	56 lbs.
Tall Oat Grass	12 lbs.		Corn, Fodder	56 lbs.
			Corn, Sweet	45 lbs.
			Beans, White	60 lbs.
			Beans, Red Kidney	60 lbs.
			Beans, Fancy	60 lbs.
			Peas, Smooth	60 lbs.
			Peas, Wrinkled	56 lbs.

INSECTICIDES and FUNGICIDES

SPRAY CALENDAR AND GUIDE

Pest	What to Use	Dilution, lbs.	1st Spraying	2d Spraying	Successive Sprayings
Codling Moth	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	Immediately after blossoms fall	2 weeks later	Consult your Exper. Sta.
Canker Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When young first appear	4-6 days later	" "
Tent Caterpillar	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	As insects appear	As needed	" "
Leaf Crumpier	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	About middle of May	As needed	" "
Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When insects appear	Repeat 10 da. 2 wks. if necessary	" "
Plum Gouger	Dry Arsenate Lead	*¾ to 1	Before leaves and buds open		
Strawberry Crown Borer	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Late summer		" "
Strawberry Leaf Roller	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In August		" "
Strawberry Slug	Dry Arsenate Lead Strawberry Root Worm Dry Arsenate Calcium	*1 to 1½ ½	In May when insects appear		" "
Imported Currant Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Gooseberry Fruit Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Raspberry Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Early in spring		" "
Raspberry Byturnus	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	1st of May		" "
Potato Beetle	Dry Arsenate Lead Dry Arsenate Calcium	*2 to 4 1½ to 2	When insects appear		Repeat as often as necessary

*To 50 gallons of water.

The above recommendations are condensed and are somewhat subject to change depending upon conditions in various sections of the country.

Where an effective combination Insecticide and Fungicide is desired, "Bordo-Arsenate" used at same strength as indicated for Dry Powdered Arsenate of Lead will give splendid results. Dry Powdered Bordeaux Mixture can be used as a dry dust just as it comes from the package or in combination with equal quantities of Dry Powdered Arsenate of Lead or Arsenate of Calcium. When using Dry Powdered Bordeaux Mixture as a wet spray use from three to five pounds to fifty gallons of water for the control of most fungus diseases.

Dry Powdered Insecticides can be used for dry dusting just as they come from the package.

For the convenience of the home gardener, the above table will be of interest.

Dry Powdered Arsenate of Lead where used at strength of one pound to fifty gallons of water, should be used at rate of two to three teaspoonfuls to one gallon of water.

Dry Powdered Arsenate of Calcium where used at rate of three-fourths pound to fifty gallons of water, should be used at rate of two to three teaspoonfuls to one gallon of water.

Dry Powdered Bordeaux Mixture when used at rate of three pounds to fifty gallons of water, should be used at the rate of from nine to twelve teaspoonfuls to one gallon of water.

Dry Powdered Bordo-Arsenate when used at rate of one pound to fifty gallons of water should be used at rate of three to four teaspoonfuls to one gallon of water.

ADVISED DUSTING SCHEDULE FOR APPLES

Time:	Material:	To Control:
1. Late winter Spring	Dormant dust, soluble sulphur compound for liquid spray	Scale and early scab
2. Prepink Bud: 7 to 10 days before pink bud—just as the blossom buds commence to swell	Use "Pomodust"	Apple scab
3. Pink Bud: Just as the buds begin to show pink	Use "Pomodust"	Apple scab, bud moth, case bearer, and canker worms
4. CALYX: Just after petals fall.	Use Fruitex @ 85% sulphur and 15% Arsenate of Lead	Apple scab, codling moth, caterpillars of all kinds
5. 10 to 14 days after Calyx	Use Fruitex	Late broods of codling moth, lesser apple worm, and green fruit worm
6. About July 5-15	Use Fruitex	Apple maggot or R. R. worm trypteter

Three or four are the principal dustings to date—after this watch out and more or less dustings can be saved.

NOTES

(A) In damp season on varieties like McIntosh Reds and R. I. Greenings susceptible to apple scab apply a light dusting every 10 days, making 100 lbs. of "Sulfodust" cover 200 trees 20 yrs. of age.

(B) After Aug. 20th use "Sulfodust;" it contains no poison, and is cheap protection from apple scab and sooty blotch.

(C) Railroad Worm. Trap to find date of emergence and dust immediately with Fruitex. This period usually first or second week in July. Repeat again in 14 days.

QUANTITY TO USE

For 20 yr. old trees use about one lb. Pomodust, Fruitex or "Sulfodust." Smaller or larger trees in proportion.

APHIS. In case of heavy infestation of aphis, use A-1 according to severity of infestation.

For schedule on cherries, pears and grapes see our bulletin "When and How to Dust."

INSECTICIDES and FUNGICIDES

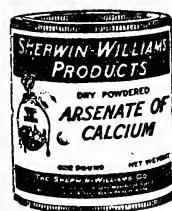
NIAGARA DUSTING MATERIAL.

STANDARD MIXTURES.

Name	PRINCIPAL INGREDIENTS	GENERAL USE.
Dormant Dust	Sodium and Sulphur, fused and mixed with spreader and sticker.	Dormant dusting for San Jose Scale on apples, pears and shade trees.
Sulfodust	Dusting Sulphur with special spreader and sticker. Fineness 95%, 200 mesh.	Standard Sulphur Fungicide without poison for Apple Scab, Brown Rot, etc.
Super-Sulfodust	Dusting Sulphur with special spreader and sticker. Fineness 98%, 300 mesh.	An Improved Sulphur Fungicide without poison for Apple Scab, Brown Rot, etc.
Kolodust (Patented)	A new patented dusting sulphur of infinite fineness. A dust you can see stick.	The New Exclusive Niagara Sulphur Fungicide without poison for Apple Scab, Brown Rot, etc.
Pomodust	Sulphur and Lead Arsenate.	Standard Sulphur Fungicide with Lead Arsenate for Diseases and Chewing Insects on apples, pears, cherries, plums, etc.
Fruitex Dust	Sulphur and Lead Arsenate Mixture.	For Diseases of Apples, Pears, etc.; Codling Moth, Strawberry Weevil, etc.
Kolotex (Patented)	A mixture of Kolodust and Lead Arsenate. A dust you can see stick.	The New Exclusive Niagara Sulphur Fungicide with Lead Arsenate for Diseases of apples, pears; Codling Moth, Strawberry Weevil.
A-1 Mixture	High percentage of quickly volatile nicotine fumes. 3 per cent. actual 100% Nicotine.	For Aphids, Red Bug, Pear Psylla, etc. The best contact dust for sucking insects.
D-6 Mixture	Dehydrated Copper Sulphate 20% (as Copper Sulphate Crystals 26.7%) Lime and filler.	Standard Copper Fungicide without poison for potatoes, celery, and other vegetable crops.
D-18 Mixture	Dehydrated Copper Sulphite Calcium Arsenate (Poison). Lime and Filler.	Standard Copper Fungicide with poison for Potato Bugs and Blight.
D-20 Mixture	Dehydrated Copper Sulphate 20%, (as Copper Sulphate Crystals 26.7%) Calcium Arsenate (Poison) 20%, Lime and Filler.	Contains less poison than the D-18 Mixture and is for use where a weaker poison dust than D-18 is desired.

Arsenate of Lead Powder

Arsenate of Lead Powder kills most leaf-eating insects like Potato Bugs, Canker Worms, Elm Leaf Beetle, Gypsy and Brown Tail Moths, Potato Beetle and similar insects that feed on the foliage.



Arsenate of Calcium Powder

The use of Arsenate of Calcium Powder as a stomach poison for controlling leaf-eating insects has become more general each year.

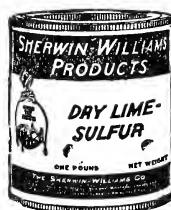
Bordo-Arsenate Powder—The Two-in-One Spray

This product combines the killing properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture.

Dry Powdered Bordo-Arsenate being a scientific combination of Arsenate of Lead and Bordeaux Mixture will control both external leaf-eating insects and fungus diseases at the same time. It is prepared in dry powdered form which is a decided advantage over the old form of paste products.

Fungi Bordo or Bordeaux Mixture Powder

Bordeaux Mixture Powder can be used wherever paste Bordeaux Mixture has been used heretofore. It is splendidly adapted for both fruit trees and truck crop work, and can be used in combination with any insecticide, either as a dry or a liquid spray.



Lime-Sulphur Powder

Lime-Sulphur Powder is an improved standard spray material. Safe and effective, not only as a dormant spray, but also as a summer spray in combination with Arsenate of Lead. Tested by experiment stations and found superior to all dry compounds on the market, in safety and effectiveness. It will control San Jose Scale and many other scale insects. It is effective against Leaf Blister Mite, Peach Leaf Curl, Apple Scab and Brown Rot of cherries and plums.

Paris Green



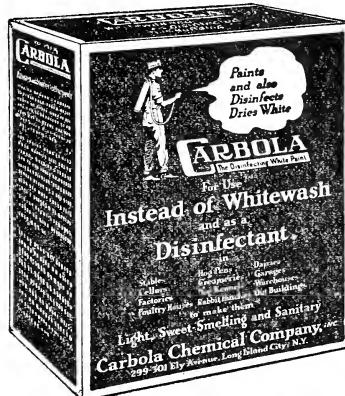
Paris Green is the oldest and most widely-used spray poison on the market. As a spray on potatoes against "bugs" it has no peer.

Paris Green kills quickly on account of its high arsenic content and will not burn the foliage of potatoes because of its low percentage of water soluble arsenic.

Carbola

Carbola is a white paint in powder form combined with a disinfectant twenty times stronger than carbolic acid. It is neither poisonous nor caustic. It is ready to use as soon as mixed with water — no waiting or straining. It can be applied with a brush or spray pump to wood, brick, stone, cement, plaster-board, etc., or over whitewash.

Carbola will not clog the sprayer. It does not blister, flake or peel off. It dries out white with a smooth finish. It doesn't spoil by standing, even after it is mixed with water. It has no disagreeable odor. Its use will increase the light, improve the appearance and help make buildings clean, sweet-smelling and sanitary. It paints and disinfects at one operation, and is recommended for use



Instead of Whitewash and as a Disinfectant

	Used in	
Stables	Factories	Outbuildings
Cellars	Hog Pens	Dog Kennels
Dairies	Creameries	Rabbit Hutches
Garages	Warehouses	Poultry Houses

Makes Work Easier. Gives Better Results Saves Time, Labor and Money

5 pounds (5 gal.).....	.75	Postpaid .90
10 pounds (10 gal.).....	1.25	Postpaid 1.50
50 pounds (50 gal.).....	5.00	

POWDERED HELLEBORE

For use against leaf-eating insects such as rose slugs, currant worms, cabbage worms and many other leaf-eating insects where mild poison is required, as Powdered White Hellebore.

Price, 1 lb., .50



P. A. C. FORMALDEHYDE

Prevents and Eradicates Stinking Smut of Wheat

Grain Smut prevails wherever oats and other grains are grown. Potato Scab is also more prevalent each year. Never plant potatoes without treating the seed with Formaldehyde.

For Oat, Wheat and Rye Smut (except loose smut of wheat and barley which this preparation will not control) spread the seed on the floor, sprinkle with P. A. C. Formaldehyde, 1 pound (1 pint) to 36 gallons of water, and shovel over to mix thoroughly, after which spread out and dry.

For Potato Scab, and to destroy other germs on seed potatoes, soak two hours in P. A. C. Formaldehyde, 1 pound to 15 gallons of water. Price, 1 lb. tins, \$.45

STERLINGWORTH KEROSENE EMULSION



Kerosene Emulsion is an article of wide and varied usefulness. It kills the green plant louse scale and many other sucking insects at once.

Many kerosene emulsions are prepared from kerosene, a cheap grade of hard soap and water. Emulsions so made are less efficient than Sterlingworth Kerosene Emulsion which is made from Whale Oil Soap and Water-white Oil.

Price: 1 pt., .30; postpaid, .40; 1 qt., .50; postpaid, .60.

DR. HESS DIP AND DISINFECTANT

Means Better Health Conditions FOR YOUR FARM STOCK

It kills body parasites. It destroys disease germs. It keeps down foul odors. It makes healthful living quarters. It keeps the skin clean and healthy. Stock health is the basis of stock thrift.



For Household Use

For the Sick-room. Make a solution of Dr. Hess Dip and Disinfectant, 1 tablespoonful to a quart of soft, lukewarm water. Place in an open vessel in the sick-room and renew every other day.

Price: 1 qt., .65, postpaid, .75; 2 qts., \$1.00, postpaid, \$1.15. 1 gallon, \$1.75.

COOPER'S SHEEP DIPPING POWDER

The Original Powder Dip

One package makes twenty-five gallons of dip.

Price, .65; postpaid, .77



CROW CORN OIL

Protects newly planted corn from crows. Mix one part Anti-Crow Corn Oil with two parts hot water.

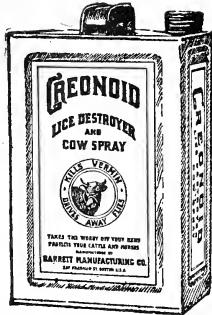
Price, .35; postpaid, .45

All Prices Subject to Change Without Notice

Creonoid

Barrett's Creonoid is an up-to-date preparation from coal tar of invaluable service to the poultrymen, stock raisers and farmers. It eliminates flies and mosquitoes, and insures sanitary conditions in stables, stock sheds, around barnyards, etc.

Price, gallon cans, \$1.25



DR. HESS FLY CHASER

For spraying Dairy Cows, Horses and all farm stock.

Drives away Flies and Mosquitoes.

Price, 1 gallon, \$1.50



WILL KILL FLIES

Kills flies, vermin and lice. Increases the yield of milk. Insures more eggs and better poultry. Kills lice on cattle and sheep ticks. Heals scab and hoof rot. It is an excellent disinfectant. Every gallon guaranteed. One gallon cans, price per gallon, \$1.50

Key Brand Cut Worm Killer

A coarse powder for sprinkling near plants to be protected. It has an enticing odor, and cut worms prefer it to vegetation. No guess work about its effectiveness, it gets them every time. The dead cut worms "tell" the story. One pound is sufficient for 100 plants in hills and 75 lineal feet in rows. Stop feeding your plants to cut worms. Price: 1 lb., .40

Cannot be mailed.

FISH OIL SOAP

For destruction of sucking insects and lice on plants and trees. Also essential as a spreader of nicotine sprays. Dissolve 1 pound Fish Oil Soap in 2 quarts of hot water, then add eight to ten gallons of cold water and apply with watering pot or sprayer. It may also be applied to trunks of trees and branches with a brush. One pound makes eight to ten gallons.

Price: 1 lb., .30; postpaid, .40

Insect Powder and Bellows Combined



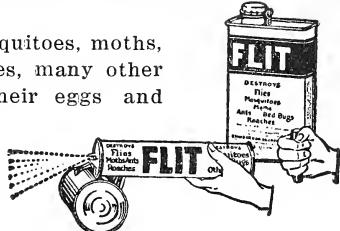
Red Wing is the best Insect Powder that can be procured and once you try it you will use no other. For the destruction of Roaches, Bed-Bugs, Fleas, Moths, Ants, Flies, etc.

Prices: Small, .10, Parcel Post, .05. Large, .25, Parcel Post, .06.

FLIT

A scientific household insecticide.

Flit kills flies, mosquitoes, moths, ants, bed-bugs, roaches, many other household insects, their eggs and larvae. Flit is a 100% effective insecticide, containing no inactive ingredients. In exhaustive tests Flit spray did not stain the most delicate fabrics.



Prices: 1 Half pint can, .50; postpaid, .60; 1 pint can, .75, postpaid, .87; 1 qt. can, \$1.25, postpaid, \$1.40; gallon can, \$3.75. Combination package (pint can with special Flit sprayer), \$1.00, postpaid, \$1.12; Flit hand sprayer, .35, postpaid, .45.

VOLCK



Volck is one of the most powerful insecticides known. It is effective on practically all insects on ornamental and flowering plants. Wonderful results have been obtained against red spiders, cyclamen mite, aphis (green fly), scale, mealy bugs, thrips, and caterpillars. Many pests that could not be controlled before are now killed with Volck. Even mildews and rusts are prevented and stopped by Volck. Not only does

Volck give effective control of pests, but it also prevents reinfestation for a considerable period. Volck is odorless, colorless and non-poisonous. There is no unsightly residue. Plants are deep glistening green after using Volck.

Prices: $\frac{1}{2}$ pt. cans, .50, postpaid, .60; 1 pt. cans, .75, postpaid, .87; 1 qt. cans, \$1.00, postpaid, \$1.15; 1 gal. cans, \$3.00, postpaid, \$3.20.

GYPSY MOTH CREOSOTE

This is a special Creosote preparation for painting the egg clusters of the Gypsy Moth. The eggs are laid in the fall in clusters of two hundred to six hundred and should be destroyed between September and April.

Prices: 1 pt., .50, postpaid, .60; 1 qt., .75, postpaid, .85; 1 gal., \$1.25.



All Prices Subject to Change Without Notice

FARMOGERM

A SEED INOCULANT THAT INCREASES CROP PRODUCTION

Seeds of all legumes—beans, peas, clover, alfalfa and related crops—will yield far better if inoculated with **Farmogerm**, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used **Farmogerm** would not be without it.

Farmogerm Stays Good Indefinitely

Farmogerm keeps for years. Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—**Farmogerm** is just as good in five years as when first bottled. Other inoculants get weaker each day—**Farmogerm** always has its full strength. Just add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations.

Farmogerm is Economical

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of **Farmogerm** is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds of Vetch, etc.

A special composite culture is prepared for peas, beans and sweet peas— $\frac{1}{4}$ -acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50 cents.

Farmogerm prices are: 1-acre size, \$1; 3-acre size, \$2.50; 12-acre size, \$9. Full directions accompany each bottle.

HUMOGERM Seed Inoculator

INSURES Quicker Catch—Bigger Crops
Alfalfa—Clovers—Soy Beans—Cow Peas.
 2½ Bushel Size (will treat 2½ bu. seed)
 \$2.25; 1 Bushel Size \$1.00; ½ Bushel .60;
 ¼ Bushel .35. State desired variety.



STIM-O-PLANT

PLANT STIMULANT TABLET

An All-the-Year Fertilizer for Garden and House Plants

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is **Stim-U-planT**, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent. nitrogen, 12 per cent. phosphoric acid, 15 per cent. potash. The proportions are accurate.

Make Your Garden a Wonder Garden

These tablets increase production, heighten color and improve quality. Many professional and amateur growers use them extensively all the year round—from early spring until late fall outdoors, during the winter for pot plants, hot-house benches, etc.

Stim-U-planT Tablets

can be used in tablet form, or dissolved in water at the rate of one tablet to the quart. Complete directions with every package.

Order **Stim-U-planT** tablets with your seed and plant order. Price, 10 tablets for 15 cts., 30 for 25 cts., 100 for 75 cts., 1,000 for \$3.50.

SULPHUR CANDLES

The Crater Sulphur Candle Fumigator. $\frac{1}{2}$ lb. size, .15, postpaid, .25; 1 dozen, \$1.25, postpaid, \$1.50.

"BLACK LEAF 40"

A concentrated solution of Nicotine Sulphate. Active ingredients Nicotine 40%. For spraying fruit trees to destroy soft-bodied sucking insects. Each sucking insect must be "hit" by spray to be affected. Complete directions attached to each package.

Prices: 1 oz. bottle, .35; $\frac{1}{2}$ pound bottle, \$1.25; 2 pound tin, \$3.25.

SULPHATE OF COPPER—BLUE VITRIOL

For making Bordeaux Mixture with Hydrated Lime. Market prices.

ORIOLE BRAND PINE TAR

1 Pint, .25, postpaid, .35; 1 quart, .35, postpaid, .50.

ORIOLE BRAND COAL TAR

1 pint, .20, postpaid, .30; 1 quart, .30, postpaid, .45.

TREE

TANGLEFOOT

For protecting trees against climbing insect pests in a simple, economical and effective way, use **Tree Tanglefoot**—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months, fully exposed to the weather. Easily applied with a small wooden paddle. One pound will make a band 7 to 8 feet long.

Price: 1-lb. can, .60; 5-lb. can, \$2.50. Postage extra.

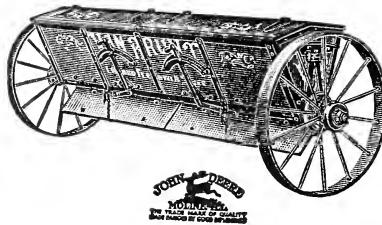
LISTER'S STANDARD FERTILIZERS

A FERTILIZER FOR EVERY CROP AND DIFFERENT SOIL REQUIREMENTS

GUARANTEED ANALYSIS

BRANDS	Ammonia	Ava.	P. A.	Potash
Lister's Success.....	2	8	2	
Lister's Eastern Pride (Maine Only).....	3	8	4	
Lister's Potato Manure (Maine and Mass. Only).....	4	8	7	
High Grade Acid Phosphate.....	0	16	0	
R-R—Agricultural Lime, Fertilizer, Ground Bone				
Write for prices.				

Van Brunt Lime and Fertilizer Sower with Oscillating Agitators



"PREMIER" BRAND

Pulverized Sheep Manure

Pulverized Poultry Manure

A complete natural fertilizer, supplying all the necessary plant food elements—Nitrogen, Phosphoric Acid and Potash—in combination with organic matter or humus, and it is this natural combination that produces the peculiar action and effect in the soil which can only be had from animal manures. It can be used without fear of weeds and foreign grasses that always follow the application of ordinary stable manures.

For the lawn there is nothing better, and its convenience makes it the logical fertilizer. There is no straw or other refuse in it as is always the case with crude manures. Barnyard manure should never be applied to a lawn, as it usually contains seeds of noxious weeds, which germinate and grow. A few weeks will show surprising results.

Its use on the vegetable garden will double the yield and insure better vegetables, also hurry the growth for earlier table use. Probably the best way to use it is to scatter it broadcast, harrowing or raking it lightly but reserving a little to use in the hills or drills. Then the young plants will have some nourishment close at hand to give them a good start.

WAFER THERMOSTATS

3 inch tire for Queen and Buckeye Brooders,	.60; postpaid, .67
5 inch brass for Newtown Brooders,	.75; postpaid, \$1.60

SEMESAN

A Mercuric Disinfectant

Semesan is one of the most remarkable chemicals developed by modern science. It will kill or control many of the diseases borne on the surfaces and some interiors of even the finest of selected seeds and yet at the same time in no way injure the delicate germ life of the seeds treated. In fact, Semesan stimulates seeds to a growth, vigor and fruition that far exceeds the capabilities of their progenitors.

Prices: 2 oz. bottles, .60; oz. bottles, \$1.00; 8 oz. cans, \$1.60; 1 pound cans, \$2.75; 5 pound cans, \$13.

SEMESAN BEL

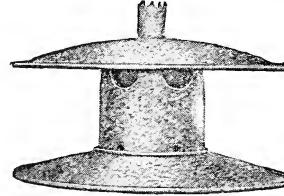
Makes Seed Potatoes Healthy
Double Its Former Value and Still More Effective for Disease Control

Good as was the original Semesan Bel, which revolutionized seed potato disinfection and for the first time made available an instantaneous, labor-saving and economically practical disease control treatment, it has been possible by scientific research to develop marked improvements in the New, Improved Semesan Bel.

Not only does the New, Improved Semesan Bel offer twice the value of its famous predecessor, because a pound of it will now treat twice as many bushels of seed potatoes as formerly, but it also possesses still greater disease control properties, especially with respect to Scab and Rhizoctonia.

Prices: 1 lb. can, \$1.75; 5 lb. can, \$8.00

PUTNAM BROODER HEATER

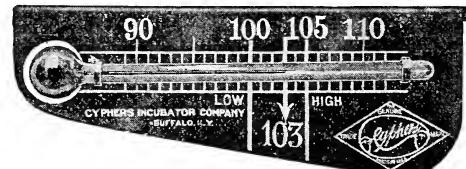


Build your own brooder with a Putnam Brooder Heater and a small shoe box. At no price, high or low, can a brooder be bought so economical of both fuel and labor, so simple and easy to operate, so perfectly ventilated, or one which will so surely raise healthy, vigorous birds. Suitable for 25 chicks. Price, \$4.75; postpaid, \$4.90

LITTLE PUTNAM STOVE

The Little Putnam Stove is eight inches in diameter and four inches high. It is made of galvanized iron and brass. For use under drinking vessels in the poultry house to keep water from freezing during the winter months.

Price, \$1.95; postpaid, \$2.07

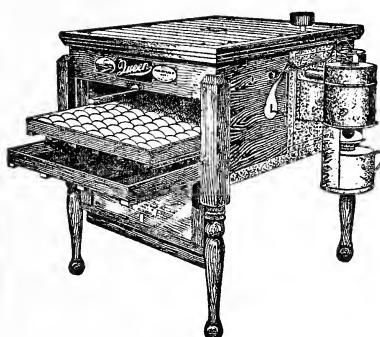


High Grade Tested Thermometers

Incubator Thermometer, Plain.....	.60; postpaid, .67
Incubator Thermometer, with Legs..	.70; postpaid, .77
Brooder Thermometer, metal back....	.50; postpaid, .57
Brooder Thermometer, wood back....	.70; postpaid, .77
Thermometer for Newtown Colony	
Brooder	\$1.00; postpaid, \$1.07

Queen Incubators and Brooders

Stop Hatching Weak Chicks with Cheap Incubators



Queen Standard

live but a few days, mean nothing to you but trouble and loss. They make one sick of the poultry business.

Most of the chicks you lose in the first few weeks die because they did not have, when hatched, enough strength or vitality for a good start.

Proper Insulation

The Queen is doubly insulated. First we use double walls of California Redwood, forming a dead air space. Second, corrugated strawboard is used between the wooden walls.

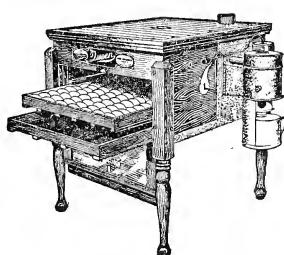
Queen Hot Water Heating

The Queen System of hot water heating prevents the drying out tendencies found in hot air incubators and provides a soft, uniform heat over every part of the egg chamber—a heat that is most natural for the hatching eggs. The circulation of water through the radiator prevents any moisture being added or taken away from the eggs. When it becomes necessary to remove the lamp, the hot water circulating through the radiator maintains an even heat within the egg chamber without the slightest variation.

Built of California Redwood

The Queen is the only Incubator that carries out the double redwood wall construction all around, and provides a double wall front, in the way of two separate doors. The outer door is a solid panel of redwood that is hinged entirely independent of the inner door.

The inner door is also of redwood construction, containing a panel of glass the full length and height of the egg chamber.



Queen Style K

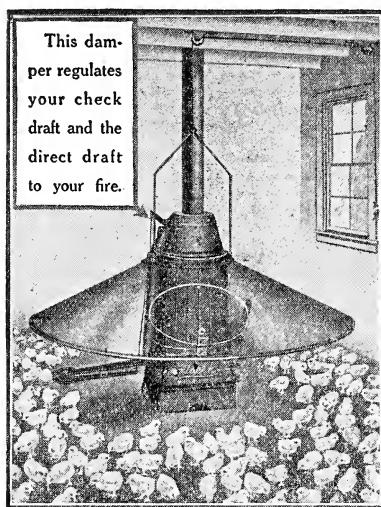
All Prices Subject to Change Without Notice

A Queen costs but little more, and the extra chicks that live and grow soon pay the difference.

Remember, it is not how many chicks you HATCH that counts, but how many you RAISE. Chicks that hatch out weak and wobbly, and

No. 2 Queen Standard 135 Eggs, Shipping Wt. 95 lbs.	Price \$37.50
No. 3 Queen Standard 180 Eggs, Shipping Wt. 105 lbs.	Price \$44.50
No. 4 Queen Standard 275 Eggs, Shipping Wt. 145 lbs.	Price \$57.75
No. 5 Queen Standard 400 Eggs, Shipping Wt. 185 lbs.	Price \$68.00
No. 25 Queen Standard 600 Eggs, Shipping Wt. 250 lbs.	Price \$103.00
No. 21 Queen Style K 130 Eggs, Shipping Wt. 90 lbs.	Price \$27.50
No. 22 Queen Style K 220 Eggs, Shipping Wt. 135 lbs.	Price \$36.75

Queen Brooders



The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when the fire is too warm, thus giving a gentle inflow of air to retard the heat.

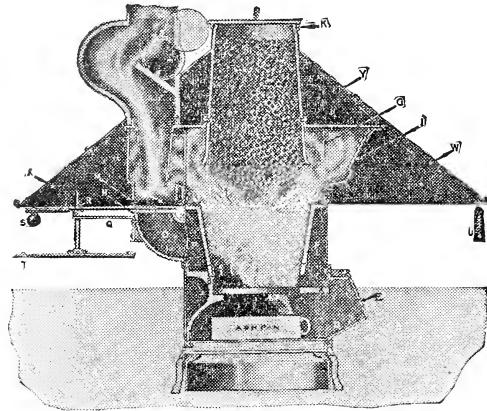
While the opening of the draft to increase the fire is located at the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover.

As will be seen from the illustration, the check and draft lids are cast together and operated together. Thus, when the fire is too hot, the wafer expands and closes the draft and opens the check, both at the same time. When it is too cool the wafer contracts and closes the check and opens the draft. This keeps an even heat all the time.

No. 1, 42 in. Hover, 600 Chicks, Shipping Wt. 77 lbs.	Price \$21.50
No. 2, 52 in. Hover, 1,200 Chicks, Shipping Wt. 104 lbs.	Price \$26.50

NEWTOWN Colony Brooder Coal-burning, Self-regulating

The Newtown Coal-burning Colony Brooder needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating Colony Brooder put upon the market—has been longer in use than another of its type—and is giving efficient service in every State of the Union and nine foreign countries. It represents the modern up-to-date brooder in the highest form of development. The Newtown way is the proven road to better profits.



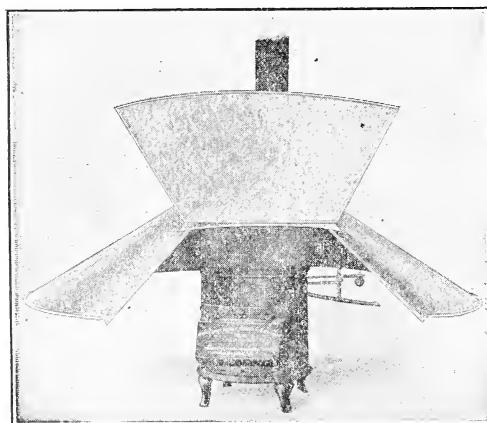
These famous Newtown features insure: Super-abundance of Heat. No crowding. Correct warmth for every chick. No chilling. No Overheating. Plenty of fresh air and exercise for all the Chicks.

No.	Canopy	Weight	Price
7	48 in. Dia.	140 lbs.....	\$25.00
11	50 in. Dia.	195 lbs.....	32.50
12	56 in. Dia.	280 lbs.....	40.00

The No. 7 Newtown Coal-burning Colony Brooder is designed especially for single room brooder houses, approximately 6x8 to 10x12, and flocks of 200 to 300 chicks.

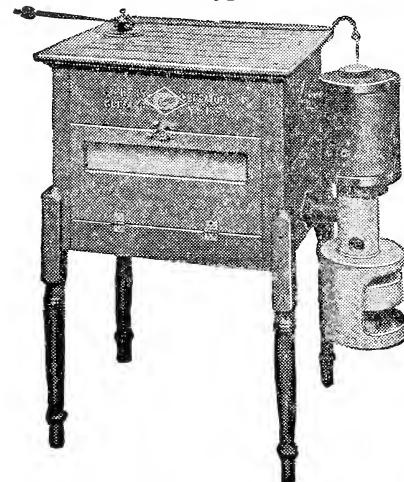
The Nos. 11 and 12 were designed especially for two-room colony houses, or large single room buildings.

The No. 11 for approximately 240 square feet and up



to 500 chicks. The No. 12 for 400 square feet and up to 1000 chicks.

Cyphers Incubators



These are machines that for twenty years and more have been recognized as the "Standard hatchers of the world." Every Standard Cyphers Incubator is guaranteed by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes.

70 Egg Size, shipping weight 93 lbs.....	\$33.00
144 Egg Size, shipping weight 145 lbs.....	42.00
244 Egg Size, shipping weight 195 lbs.....	56.00
390 Egg Size, shipping weight 245 lbs.....	69.00

Cyphers Adaptable Hover

The Cyphers Adaptable Hover is self-ventilating and self-regulating. It is "adaptable" to use in Colony Coops, in portable houses, in home-made brooder coops, as well as in large brooding houses. It is constructed entirely of non-combustible material, and bears the fire underwriters' Inspected Brooder label. Capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old. Weight 38 lbs.

Price, \$18.00

POULTRY SUPPLIES

Poultry Charcoal



Is especially prepared for poultry, carefully screened and is different than other charcoals. Goods are put up in 50-lb. burlap bags in three sizes as follows:

Fine granulated for Brooder Chicks and Dry Chick Food Mixtures.

Medium granulated for Half Grown Fowls, Pigeons, etc.

Coarse granulated for Full Grown Fowls, Geese, Turkeys, etc.

Price: Coarse, Medium and Fine, 50-lb. bags, \$1.90 each

All Prices Subject to Change Without Notice

Oyster Shells

Crushed and ground to the size which expert poultrymen agree to be the best. Price: 100-lb. bag, \$1.45.

Poultry Grit



Price: 100-lb. bag, \$1.15.

Does not become smooth, but retains its cubical form until entirely worn out.

Coarse for Turkeys and Fowls.

Fine for growing Chicks and Pigeons.



Dr. Hess Poultry Pan-a-cea

Makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal anti-septics that counteract disease;

insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for thirty hens per day.

Prices: 1 1/2 lb. pkg., .25; postpaid, .35; 5 lb. pkg., .75; postpaid, .90; 12 lb. pkg., \$1.50; postpaid, \$1.70; 25 lb. pail, \$3.00.



Instant Louse Killer

Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans—look for the word "Instant" before buying.

Prices: 1 lb. carton, .25; postpaid, .35; 2 1/2 lb. carton, .50; postpaid, .60.



Dr. Hess Poultry Worm Powder

Almost unawares worms have come to be a great scourge among poultry. There are many different species of worms that live as parasites in fowls. Worms retard chick growth and lower vitality, make the birds a ready prey to disease and shut off egg production.

Prices: 1 1/2 lb. pkg., .50, postpaid, .60; 4 lb. pkg., \$1.25, postpaid, \$1.40; 10 lb. pkg., \$2.75, postpaid, \$2.95.



All Prices Subject to Change Without Notice

Dr. Hess White Diarrhea Tablets

Dr. Hess White Diarrhea Tablets afford an efficient treatment for all forms of diarrhea, including many cases of suspected white diarrhea.

The treatment is simple and easy to apply. You simply crush and dissolve four tablets in each gallon of drinking water. Stir thoroughly.

Price: Large size, .50, postpaid, .57.



Dr. Hess Roup Tablets

For the treatment and prevention of Roup, Diphtheria and all catarrhal diseases of fowls. Crush and dissolve four tablets in a gallon of drinking water.

Price: Large size, .50; postpaid, .57.



Caponizing Set

Designed to simplify the operation of caponizing, so that the beginner can easily master it. This set consists of a lancet shaped knife, spring spreader, forceps, hook, ring, ring probe and canula. Price in velvet-lined case, \$3.50. Postpaid, \$3.60.

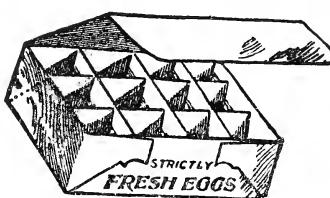
Poultry Killing Knives

These knives are made of the best steel and of special design. Price: .40 each; postpaid, .50.

CONKEY'S POULTRY REMEDIES

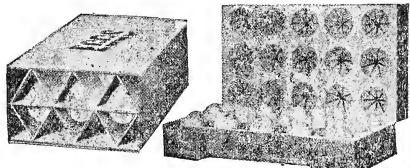
Conkey's Head Lice Ointment. Price: 1 oz., .10, postpaid, .15; 3 oz., .25; postpaid, .30.

Eagle Egg Boxes



Just the thing for the family egg trade. Shipped knocked down, easily set up. Prices: 1 dozen size, .20 per dozen, postpaid, .30; 125 for \$1.50, postpaid, \$1.75

The
Diamond
Parcel Post
Egg Carrier



Diamond parcel post egg carrier can be used repeatedly for a long time and each one will pay for itself many times in saving eggs from breakage. Shipped knocked down.

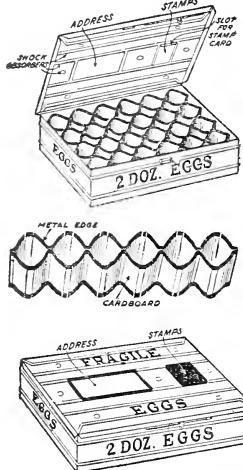
Prices: One dozen size, .35 each, postpaid, .40; per dozen, \$3.60, postpaid, \$3.80; two dozen size, .55 each, postpaid, .65; per dozen, \$5.30, postpaid, \$5.55; five dozen size, \$1.00 each, postpaid, \$1.12; per dozen, \$10.50; postpaid, \$11.00.

Hatching Sizes

15 egg size, .40 each; postpaid, .46; per dozen, \$3.75; postpaid, \$4.00.
30 egg size, .60 each; postpaid, .68; per dozen, \$6.00; postpaid, \$6.35.

Sell Eggs by Mail

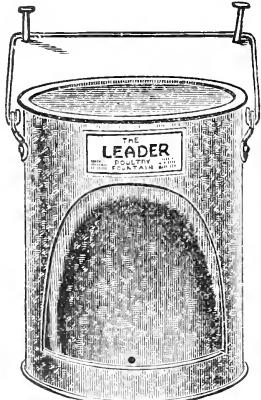
To Your City Friends Shipped in Aluminized Metal Egg Crates



\$2.15; six doz. size, \$2.50; postpaid, \$2.65; twelve doz. size, \$4.00, postpaid, \$4.25; No. 1 Combination, two pounds butter and one dozen eggs, \$1.50, postpaid, \$1.60; No. 4 Combination, six pounds butter, \$2.25, postpaid, \$2.35.

HEAVY SHIPPING CASES

30 Dozen size	\$2.25
15 Dozen size	\$1.50



Extra Fillers

15 Dozen per set .....	.25
30 Dozen per set .....	.40
Excelsior Pads 11 1/2 x 11 1/2	
.02 each	

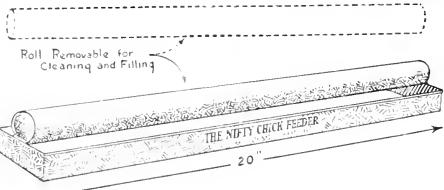
LEADER SANITARY FOUNTAIN

Detachable with bail for hanging on wall.

Prices: 1 1/2 gallon, .90, postpaid, \$1.05; 3 gallon, \$1.55; postpaid, \$1.70.

Nifty Chick Feeder

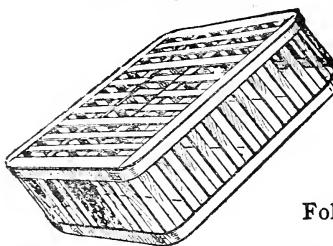
Price, .30, postpaid, .40



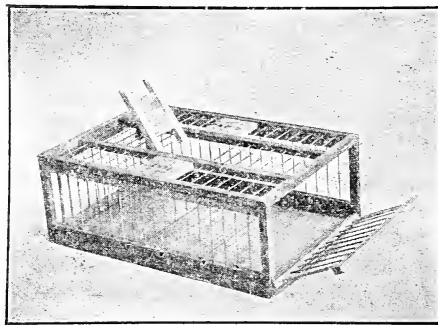
All Prices Subject to Change Without Notice

Round-Cornered Poultry Shipping Crates

Made of Green Elm, then thoroughly dried. The round corners prevent injury and loss by crowding, so frequent in square cornered crates. Dimensions 24 in. x 36 in. x 12 in. Price \$2.50.



Folding Poultry Shipping Crates



Bottom and frame of crates are made of cypress. Sides and top of steel spring wire that will not bend or kink. When empty this crate is folded inward, making a very compact package. It is securely locked when thus folded for shipment.

Price \$3.00.

Two Piece Drinking Fountains

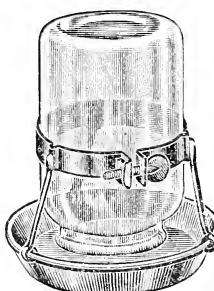
The small size (1 quart) is designed for chicks and is especially handy for use in brooders. The medium size (2 quarts) is for larger chicks. The large (3 1/2 quarts) size is for adult fowls.

Prices: Each, small, .30; postpaid, .35; medium, .40; postpaid, .47; large, .50; postpaid, .60.

Felker's Handy Attachment

To be used with any make of Fruit Jar. A Perfect Feeder for Sour Milk, Water, Hard Grain or Grit.

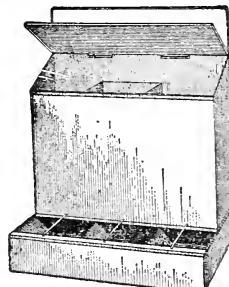
The Container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The HANDY is adjustable, simple to operate and durable. Every one has some kind of quart fruit jar—the HANDY fits them all. Price \$.30; postpaid, \$.35. Pat. Applied For.



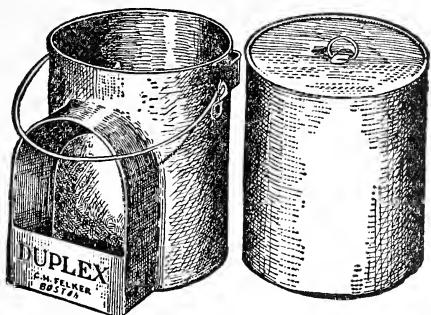
Poultry Feeder

Our popular 1-2-3 Poultry Feeder can be used as a one, two or three apartment feeder, by simply changing the dividing walls. Perfectly sanitary and clean.

Price: Small, .85; postpaid, .95; large, \$1.50; postpaid, \$1.70.



Duplex Sanitary Fountains
Top section slides into bottom section



Pat. Applied For

The latest and most practical sanitary fountain on the market. A double fountain. Keeps the water clean and pure and is easy to care for.

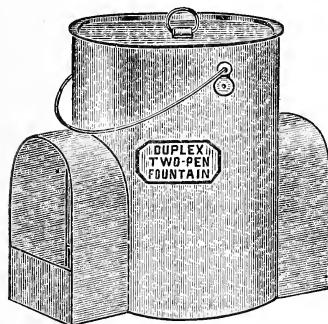
4 Quart Duplex Price \$1.20; Postpaid \$1.30
8 Quart Duplex Price \$1.50; Postpaid \$1.60

TWIN DUPLEX

Sanitary Fountain

Double feeding capacity, otherwise same as regular Duplex.

8 Quart Twin Duplex
Price \$1.75; Postpaid, \$1.85.



Peerless Drinking Fount

Very easy to clean by simply removing the bottom. Can either be hung on the wall or by the bail.

Price: 5-qt., .95c, postpaid, \$1.15;
10-qt., \$1.30; postpaid, \$1.55.



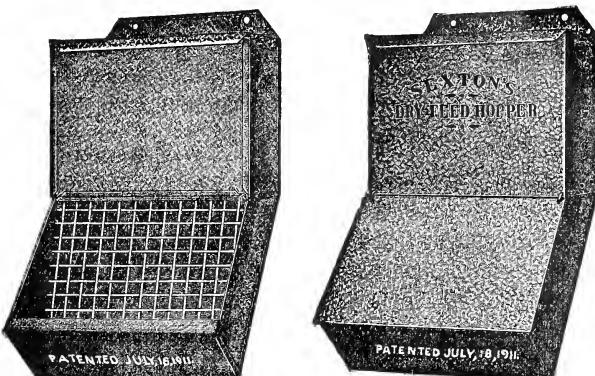
Peerless Brooder Fount

Just the fount for your brooder. Can be set on the floor or hung on the wall within reach of the chickens. Can be cleaned same as large founts.

Price: 1 qt., .40, postpaid, .50.



Sexton's Dry Feed Hopper

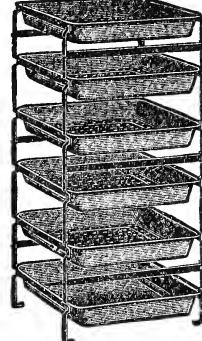


Open

Easy to fill. No waste. Rat proof. Rust Proof. Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "rat" and "mouse" proof.

12 qt.....Price \$1.60; postpaid, \$1.75
24 qt.....Price \$2.75; postpaid, \$3.00

Closed



The Economy Oats Sprouter

The best device for producing clean sprouted oats. Has five perforated pans, each 16x17 in., and one drip pan at bottom. No lamp, no danger, very durable, compact. Green food all winter if you use the Economy Oats Sprouter, which means bigger egg yields, consequently more profit. Price \$7.25

Porcelain Nest Eggs

These Eggs are made of first class Flint Glass. They do not break easily and will last indefinitely.
Price, each, .05; per dozen, .60 postpaid.

Naphthalene Nest Eggs

Price, each, .06; per dozen, .70 postpaid.

Star Jar Fountain and Feeder, Patented

The most simple, practicable and durable Mason Jar Fount on the market.

Will fit all sizes of Mason Jars

Price, .15; postpaid, .20.

Ideal Sanitary Freezeless Fount

The simplest, handiest and most practical fountain made. Keeps water the right temperature all the year. Saves time, labor and worry and costs nothing to run.



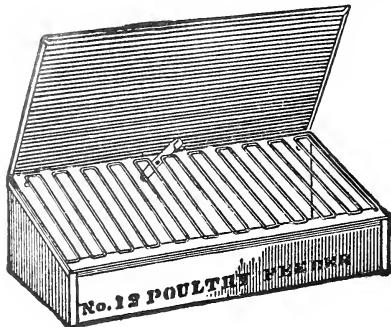
Prices: Two gallon size, \$3.85.

Three gallon size, \$4.50.

Five gallon size, \$5.50.

All Prices Subject to Change Without Notice

Felker's Dry Mash Feeders



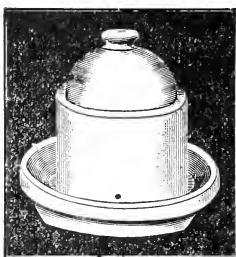
Made in two sizes. No. 12 and No. 24. No. 12, for a small colony of fowl or growing chickens. No. 4, a practical dry mash feeder for fowl. They cannot clog. They are dirt and rat proof, and are protected from

waste by an especially designed grid. Should be hung on the wall by two nails, as high as the fowl can reach with ease.

Prices: No. 12, .85, postpaid, .95; No. 24, \$1.25, postpaid, \$1.40.

X-Ray Egg Tester

The X-Ray Egg Tester is made of the best block tin and consists of a central cylinder or lamp flue, $5\frac{1}{4}$ inches high with an outside diameter of $2\frac{1}{2}$ inches at the base and $2\frac{1}{4}$ inches at the top. It is designed for use in an ordinary hand lamp, fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate the interior of the egg. Price: .50 each; postpaid, .55.



Earthenware Drinking Fountains

$\frac{1}{4}$ Gal., each.....	\$0.40
$\frac{1}{2}$ Gal., each.....	.50
1 Gal., each.....	.65
2 Gal., each.....	.85

Wall Founts

All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on the wall, and for this reason are preferred by many to the 2-piece fount which must be placed on the floor.

Price: 1 gal., .90, postpaid, \$1.00; 2 gal., \$1.20, postpaid, \$1.30.

Leader Adjustable Leg Bands

Latest and best adjustable leg band out. Has neat, compact and smooth fastening with no catching points.

Price, postpaid: 12, .12; 100, .80.

Spiralet Leg Bands

Made of celluloid in ten colors. Poultry size.

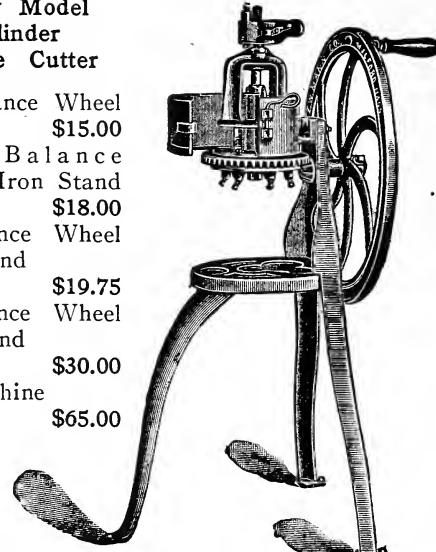
Price postpaid: 12, .10; 100, .70.

Mann's New Model

Open Cylinder

Green Bone Cutter

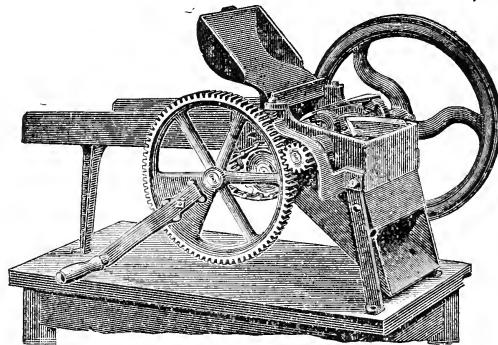
5B, with Balance Wheel	\$15.00
5 B M, with Balance Wheel and Iron Stand	\$18.00
7, with Balance Wheel and Iron Stand	\$19.75
9, with Balance Wheel and Iron Stand	\$30.00
12, Power Machine	\$65.00



"New Model" Clover Cutter For Poultry

Just the cutter for the poultry raiser. Cuts all kinds of feed, either green or dry. Has removable steel knives, adjustable cutter bar. It runs easy, cuts fine and is durable. With four 7-inch knives.

Our Price, \$18.00



Poultry Netting

We carry the well-known New Jersey Netting and guarantee it to be the very best. It is galvanized after weaving, has three salvage wires, where other makes have but two. It is coated with pure spelter, or zinc (tin rusts), and is full measure in length and width.

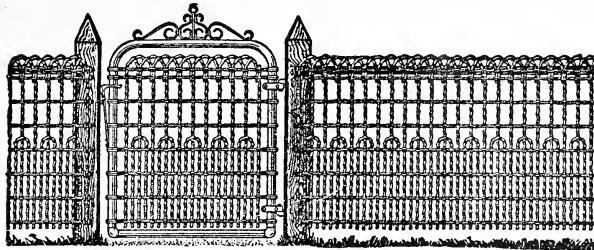
All sizes in both Poultry and Chicken mesh. Write for prices.

We also carry a full line of Plain Wire, Barbed Wire, Fence Staples, Poultry Staples, Nails, etc.

All Prices Subject to Market Changes



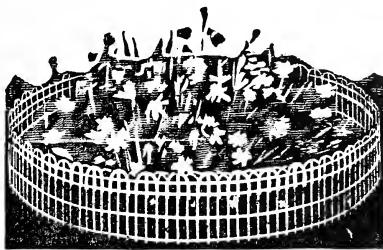
"NORWOOD" Quality Products



Style 600 Lawn Fence

Specifications—No. 9 wire crimped uprights spaced $2\frac{1}{8}$ inches apart. Interwoven at bottom with an additional No. 9 wire crimped upright for a space of 20 inches from bottom.

Price: 42 inches high only, .20 per foot.

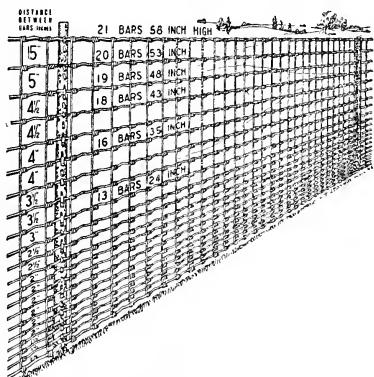


Norwood Flower Guard

Designed for the protection of flowers. Uprights made of No. 9 heavily galvanized wire. Furnished in two sizes, 16 inch, which sets 12 inches above ground; 22 inch, which sets 18 inches above ground.

Prices: 16 inch, .09 per foot; 22 inch, .11 per foot.

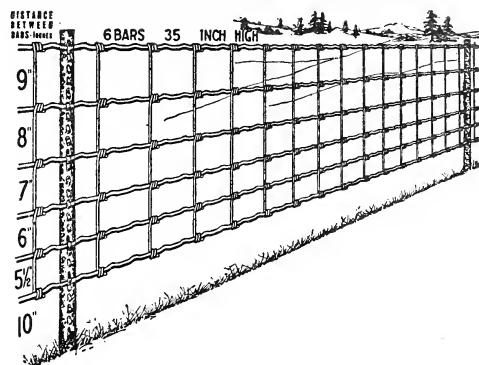
American Poultry and Rabbit Fence



Distance Approximate
between mate wt.

Design No.	No. Bars	Height Inches	Stays Inches	lbs. per rod	Price on Application
2158	21	58	6	10.3	
1948	19	48	6	9.2	

AMERICAN FIELD AND HOG FENCE



American Field and Hog Fence

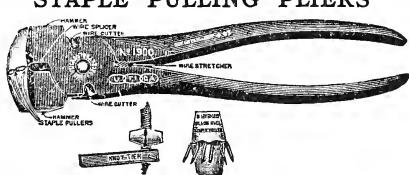
Made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put on it. Does not mutilate but does, efficiently, turn cattle, horses, hogs and pigs.

Every rod of American Fence Guaranteed by the manufacturers. Call and see it. Can show you how it will save you money and fence your fields so they will stay fenced.

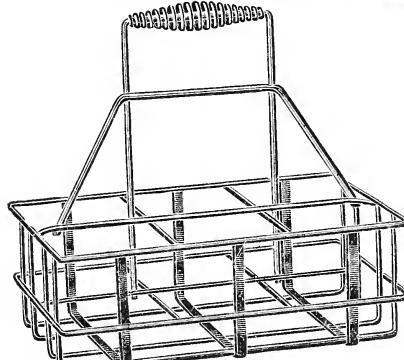
Design	No. Bars	Height Inches	Dis. bet. St. in.	Price on Application
635	6	35	12	
845	8	45	12	
832	8	32	6	

Write for our prices

Drives staples, pulls staples, cuts wire, splices wire, straightens wire. Price, \$1.75; postpaid, \$1.85.



STAPLE PULLING PLIERS



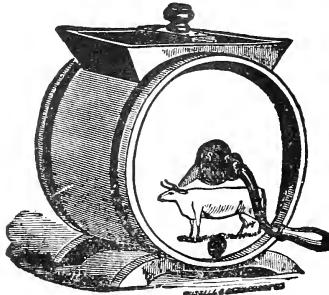
Electric
Welded
Wire Bottle
Carrier

Guaranteed not to break at the welded points.

6 Quart Light.....	\$1.25; postpaid, \$1.35
8 Quart Light.....	\$1.50; postpaid, \$1.65
6 Quart Heavy.....	\$1.80; postpaid, \$1.95
8 Quart Heavy.....	\$2.00; postpaid, \$2.15

All Prices Subject to Change Without Notice

DAIRY SUPPLIES



Lightning Sanitary Churn and Mixer

What it Does. It will actually make two pounds of butter from one pound of fresh, sweet milk. The butter is delicious and sweet. Follow directions and you will get results.

(The proportion is one pound of butter to one pound or pint of milk.)

Other Uses. The Lightning Sanitary Churn may also be used to make regular butter direct from cream; as a cream and egg beater; as a salad dressing or batter mixer; and as a butter renovator.

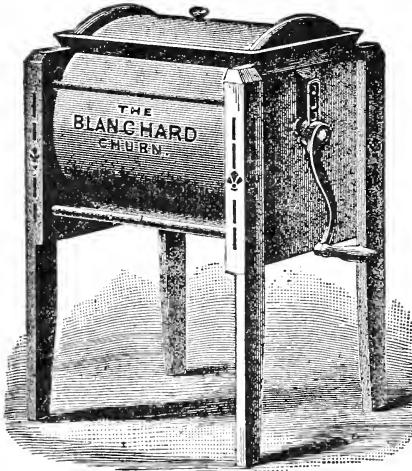
Prices: 1 qt., \$1.50, postpaid, \$1.65; 2 qt., \$2.00, postpaid, \$2.15; 3 qt., \$2.50, postpaid, \$2.70.



The Blanchard Churn

Get the Best

The Blanchard Churn has been so long and favorably known that no extended description is necessary. For those wishing for a well made churn at a little higher price and one that will last a life time, this Churn will meet their requirements.



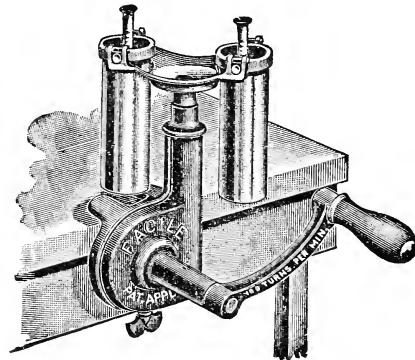
No.	Capacity Gals.	Sizes and Prices		Price
4	4			\$12.25
5	8			13.25
7	16			19.50

All Prices Subject to Change Without Notice

Stone Dash Churn

2 gallons, price with dasher.....	\$1.10
3 gallons, price with dasher.....	1.40
4 gallons, price with dasher.....	1.60
5 gallons, price with dasher.....	1.90
6 gallons, price with dasher.....	2.25

The "Facile, Jr." Babcock Milk and Cream Tester—Cut Steel Gears



An exceedingly simple, light, compact and carefully designed apparatus, especially adapted to the use of the dairy, and also on account of its light weight, to the traveling dairy inspector.

Complete with full set of glass ware consisting of test bottles, pipette and acid measure; also test bottle brush and bottle of acid with full directions for use.

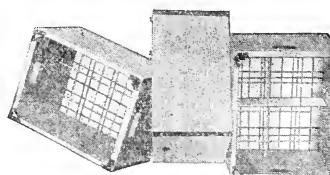
Prices: 2 Bottle Machine, \$11.75; 4 Bottle Machine, \$13.00.

The "Facile" Improved Iron Frame Hand Babcock Milk and Cream Tester

Handsome cast-iron case and cover, cut spur and worm gearing, malleable iron bottle carrier, seamless brass detachable swinging pockets for holding test bottles.

Enclosed gearing, bottles perfectly horizontal when rotating. Turns easily and runs smoothly and noiselessly at a very high speed.

6-bottle machine.....\$23.25 12-bottle machine..... 26.00
8-bottle machine..... 24.75



Milk Bottle Cases Wood Cases

16 pint.....	\$2.00
12 quart.....	1.75
Galvanized Cases	
16 pint.....	\$3.60
12 quart.....	3.50

Blanchard Butter Carrier

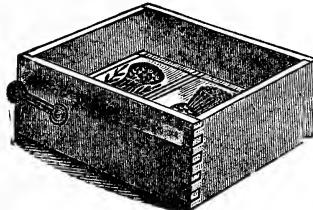


No. 6½	4 trays, 12 lbs. capacity.....	\$3.15
No. 7	4 trays, 16 lbs. capacity.....	3.65
No. 8	4 trays, 24 lbs. capacity.....	4.15
No. 9	4 trays, 32 lbs. capacity.....	4.65
No. 10	5 trays, 40 lbs. capacity.....	5.20
No. 11	6 trays, 48 lbs. capacity.....	6.25

Galvanized Ice Boxes \$1.00; postpaid, \$1.10

With or without galvanized ice boxes.

Will be shipped without ice boxes, unless they are ordered.



Genuine Blanchard Butter Molds

Machine Carved

½ pound	.85 postpaid
1 pound	1.00 postpaid

Sealright Milk Bottle Caps

35 Point

No. 2, 1 5-8 plain or stock printed cartons of five thousand, \$2.00, postpaid, \$2.25. Cartons of one thousand, .50, postpaid, .62.

No. 1, 1 7-8 plain only. Cartons of five thousand, \$2.15, postpaid, \$2.40.

Price on fifty thousand lots on application.

Sealright Pouring Pull Caps

No. 2, 1 5-8 stock printed cartons of five thousand, \$2.50, postpaid, \$2.75.

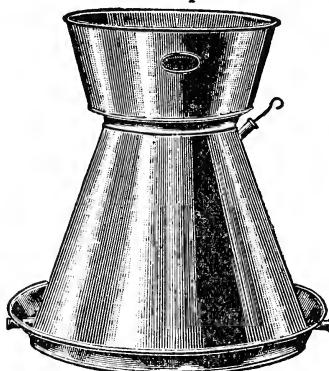


The Sensible Bottle Filler

This is a small tank, heavily tinned and holding about sixty quarts. It has two straight bore faucets in the bottom near the edge. They are inexpensive and very handy for the small milk dealers who do not feel like paying a large sum for one of the larger machines. Price, each \$8.00.



Champion Milk Cooler Aerator



A perfect Aerator, removing all flavors arising from excessive cabbage, turnip or silo rations.

It is equally well adapted to the use of any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water.

Is automatic, requiring no attention while in operation.

No. 2 Holds 18 Quarts. Takes care of 3 Milkers. Shipping weight 30 lbs. Price.....\$10.00

No. 3 Holds 34 Quarts. Takes care of 5 Milkers. Shipping weight 35 lbs. Price.....\$12.00

Wyandotte Cleanser

Is especially adapted for use in Creameries, Cheese Factories, Ice Cream Plants, Hotels, Restaurants and Private Houses.

It is a Soda and Makes No Suds
Contains no Grease, Potash or Lye.

Will destroy nothing, but cleans and cleanses everything washed with it and is perfectly sanitary. For household use it has no equal. Sold in 5 lb. sacks at 40c. Postpaid, 50c.

Barrels, 50 5 lb. sacks.....\$15.05

Barrels, 280 lbs. bulk 15.15

Kegs, 80 lbs. bulk 5.32

Wyandotte Alki Special

Barrels, 300 lbs. bulk \$18.48

Kegs, 80 lbs. bulk 5.91

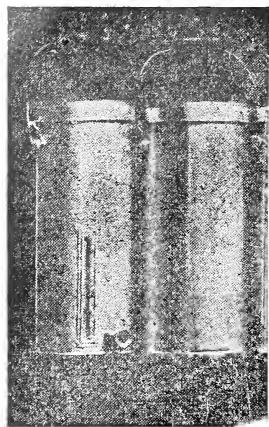
Wyandotte Detergent

Barrels, 250 lbs. bulk \$17.00

Kegs, 75 lbs. bulk..... 6.06

All Prices Subject to Change Without Notice

Creamery Cans for Milk and Cream Storage



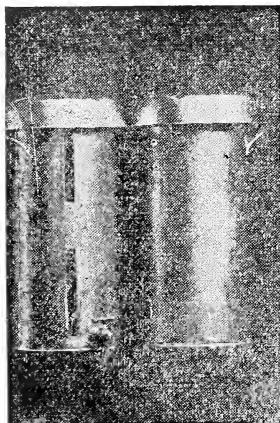
Goss Special Milk Can with Nickel Faucet, Cooley Cover, Gauge and Side Handles. Price \$3.50

Goss Special Cream Storage Can with Cooley Cover and Side Handles. Price \$2.15

Buffalo Milk Can with Lead Faucet, Gauge, Bail Handle and Cover.

Price \$2.50

Buffalo Cream Storage Can with Bail Handle and Cover. Price \$1.50



Milk and Cream Scales



These scales are made with a loose pointer which, by means of a thumbscrew on the center of the pointer, may be set anywhere on the dial, thus taking the tare of the milk pail, etc. They are made with pounds divided in ounces or decimals.

Price

No. 260 M. O. 30 lbs. by 1 oz.....	\$6.75
No. 270 M. O. 60 lbs. by 2 oz.....	8.00
No. 260 M. D. 30 lbs. by 1-20 lb.....	6.75
No. 270 M. D. 60 lbs. by 1-10 lb.....	8.00

If sent by Parcel Post, add 15c each.



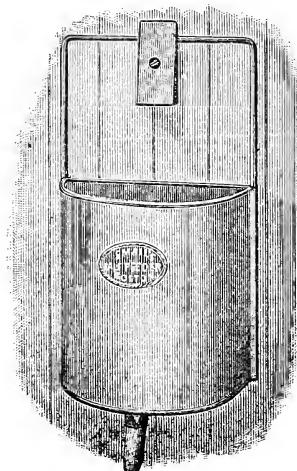
Common Sense Calf Feeder

What It Is. The Common Sense Calf Feeder is a simple, practical device for weaning and feeding calves, so simple and so practical that every calf owner will see the value of it at a glance.



Price, Single, \$2.00; postpaid, \$2.15. Double, \$3.00; postpaid, \$3.15; extra nipples, .27 each, postpaid.

Small's Calf Feeder



This feeder holds seven quarts and weighs about four pounds. Its chief merits are not only in its convenience, but in the sleek, healthy calves it produces, as they suck their food slowly in a natural way.

Price \$4.00, Postpaid, \$4.15. Extra Nipples, .42, Postpaid.

Maine Export Milk Cans

20 quarts Lock Cover	\$6.00
40 quarts Lock Cover	7.50
Rubbers for export cans, each, .20; dozen, \$2.00; state diameter of can top.	

Milk Delivery Cans

8 1/2 quarts	\$2.25
10 quarts	\$2.50

Wooden Can Stoppers

3 1/4 in. x 3 1/2 in. Each, .13; doz., \$1.30.
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DAIRY SUPPLIES

Aseptic Milking Tube



2 1/4 in., plain. Exact size, .25; postpaid, .30



2 1/4 in., self-retaining. Exact size. Price, .25; postpaid, .30.

The **Aseptic Milking Tube** is recommended because it is so well finished and easily sterilized. It is manufactured regularly in 1 1/4, 2 1/4, 2 3/4, 3 1/4 inch lengths; plain or self-retaining, as desired.



Milk Test
Bottle



Conn. Style
Cream Test



Acid
Meas.

Milk test bottles, 10 per cent. each \$0.30

Cream test bottles, 0 to 50 per cent.

each25

Ohlisons skim milk bottles, each.... .75

Milk and cream pipettes, each..... .30

Acid measure, each..... .25

Test bottle brush

.15

The "Boston" Aseptic Teat Dilator
(Dr. Murphy's Modification)



No More Hard Milkers

"Spider" in the teat is easily cured, and sphincter paralysis entirely disappears after a few days' use. Recommended by veterinarians and dairymen.

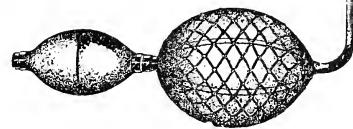
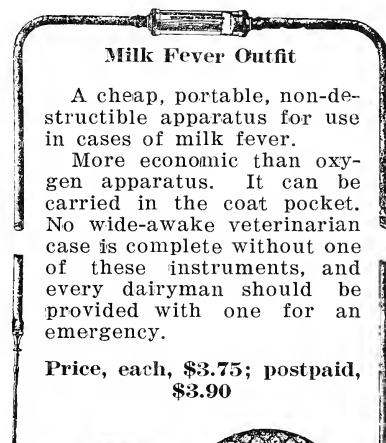
Price, 25c each, postpaid, .30

Milk Fever Outfit

A cheap, portable, non-destructible apparatus for use in cases of milk fever.

More economic than oxygen apparatus. It can be carried in the coat pocket. No wide-awake veterinarian case is complete without one of these instruments, and every dairyman should be provided with one for an emergency.

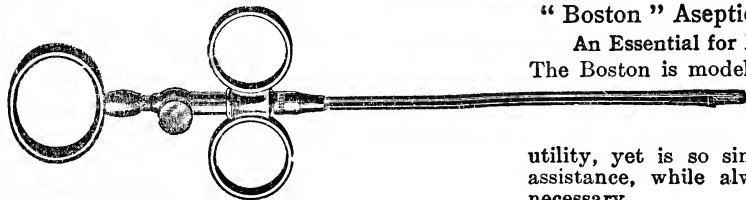
Price, each, \$3.75; postpaid, \$3.90



Plain
Pipette



Test Bottle Brush — For Clean-
ing Babcock Bottles



"Boston" Aseptic Stricture Cutter
An Essential for Every Dairyman

The Boston is modeled on improved lines, and embodies the highest class of workmanship and utility, yet is so simple that professional assistance, while always desirable, is not necessary.

Price, each, \$3.00;
postpaid, \$3.15



Kow-Kare
The Great Medicine for Cows Only

It acts upon the digestive, generating and milk-secreting organs, keeping the entire system toned up and in perfect working order. It goes to the roots of the trouble, and cures cow diseases by removing the cause. Price: Small, .65; Postpaid, .75. Large, \$1.25; Postpaid, \$1.40.

Grange Garget Remedy

Grange Garget Remedy is favorably known to every dairyman. It is the most effective and satisfactory remedy for garget or hardening of the udder without in any way injuring the cow or lessening the flow of milk, and tones and invigorates the infected parts.

Price: .65; Postpaid, .75.



Bag Balm

For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety; positive results in every case.

Price: .60; Postpaid, .70.



Calves' Cordial

Is free if it fails to cure scours in cows and calves.

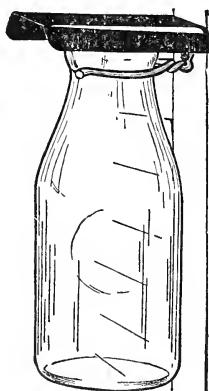
Price: .50; postpaid, .60.

Cows' Relief

It is used as a local application on cows' bags and teats. It will cure caked bags in 12 to 24 hours, if taken at the start.

Price: Small, .50; large, \$1.00. Postage extra, each size, .09.

THE IDEAL



PAT. APD. FOR

MILK BOTTLE HOLDER

The Ideal Milk Bottle Holder holds a bottle of Milk or empty bottle in a sanitary condition away from cats and dogs and is easily attached to wall or door casing with one screw.

Price (Postpaid).....15

Carter's Condition Powders for Horses

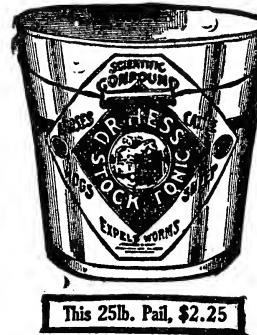
Reliable remedy for Distemper, Coughs, Rheumatism, that run-down, lousy look, rough hair and lack of "ginger."

CARTER'S CONDITION POWDERS for cases that require a tonic prove satisfactory in most cases. Price, .50; postpaid, .60.

Dr. Hess Stock Tonic

Formula printed on every package. Every ingredient indorsed by the U. S. Dispensatory and other high medical authorities. It aids digestion, makes stock healthy, and expels worms. Helps stock convert more ration into milk, flesh, blood and muscle. Every pound backed by the Dr. Hess & Clark unqualified guarantee.

Prices:	3 1/2 lb. Pkg. .50;
	Postpaid, .65
10 lb. Pkg.,	\$1.25;
	Postpaid, \$1.50
25 lb. Pail	3.00
100 lb. Drum	10.00



This 25lb. Pail, \$2.25



Dr. Hess Healing Powder

The modern gall cure. Cures galls, cuts, wounds, ulcers, grease heel. Antiseptic and soothing. Heals everything it touches by forming a coating, cleaning and closing up wounds. Comes in sifting-top cans.

Price: 4 oz., .25; postpaid, .35

Horse Comfort

Nothing quite takes the place of **Horse Comfort** for a number of things to which all kinds of horses are susceptible. It is a real comfort and cannot be beaten in cases of blood poison, flesh wounds, wire cuts, galls and sores of long standing, proud flesh, scratches, mud fever, snag wounds, sore shoulders, grease heel, malignant ulcers, fistula, poll evil, corns in horses. Price per bottle: Small, .30, postpaid, .40; large, .60, postpaid, .70.

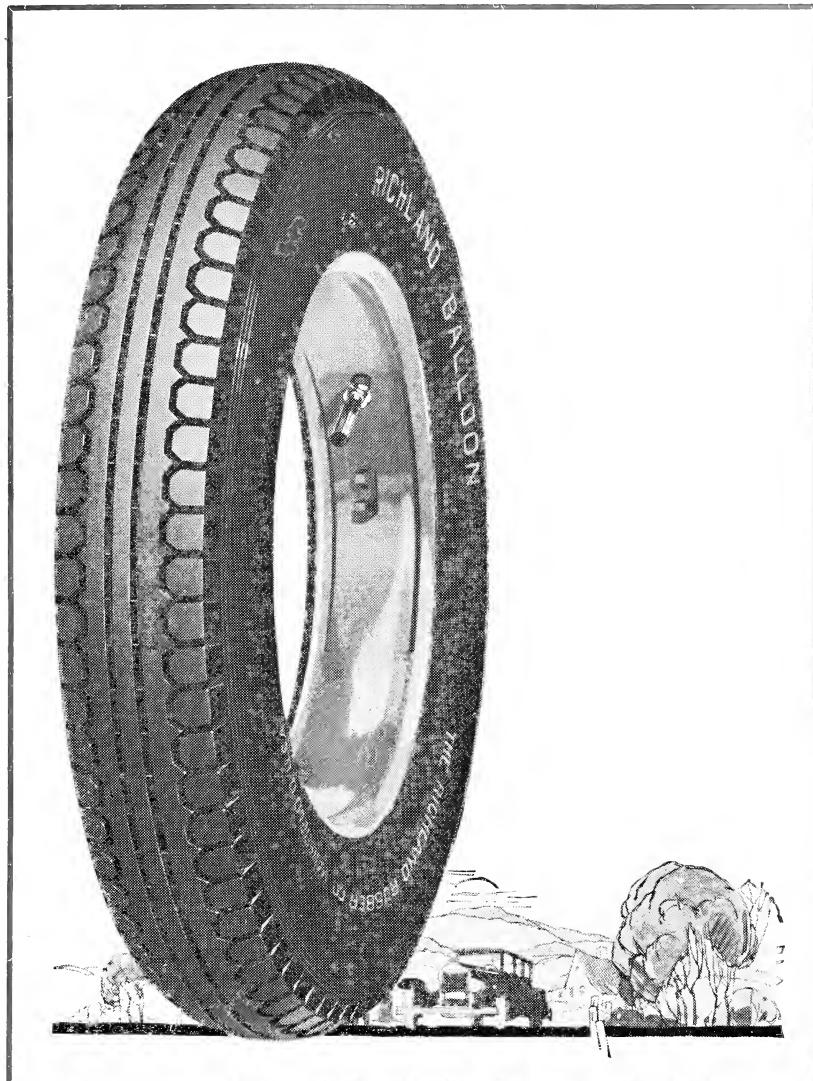


A reliable horse tonic is a great improver and conserver of the health of your horses. **American Horse Tonic** is wonderful for building up horses' health. It is recommended as an effective worm expeller; restores lost appetite; best for use in cases of rough hair, coughs, inflammation of lungs or bowels. Price: .65, postpaid, .75

Arabian Scratches and Gall Cure

It is a scientific remedy for scratches and grease heel. It works as horsemen like to have it. Price: Small, .25, postpaid, .35; large, .50, postpaid, .60.

RICHLAND TIRES



Made First to Last

RICHLAND TIRES



RICHLAND BALLOON

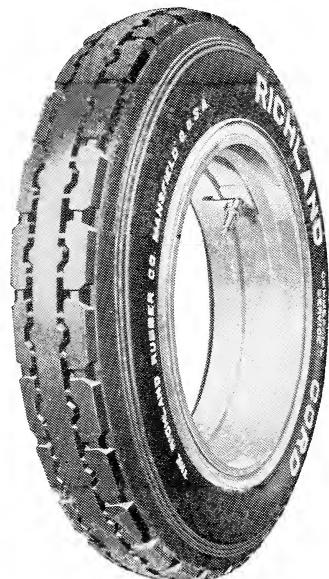
The Richland Balloon Cord is a remarkable low pressure tire in style, comfort and mileage.

The finest type of workmanship and the highest grade of materials are exclusively used in producing this tire. The sidewall, tread and carcass are perfectly balanced for resiliency and long wear. The new improved tread design with larger volume of rubber provides wider traction and better steering.

RICHLAND TRUCK CORD

The Richland Commercial Service Cord has set a new standard of performance in Heavy Truck service. Through sheer quality and stamina, it has established a preference among commercial operators who keep accurate records of maintenance cost.

Unusual strength and durability are combined with resilient qualities to carry and cushion the heaviest of loads and deliver the highest degree of mileage.



RICHLAND EXTRA HEAVY TUBE

The Richland Extra Heavy Tube is a product of the finest rubber and most advanced principles of tube construction. Extra heavy in gauge with special reinforced valve base and steam welded splice.

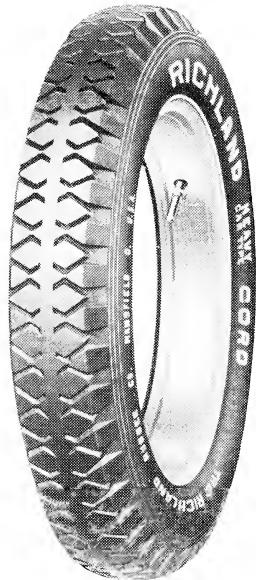
Made in the famous Tan Tube for high pressure Cords, and in the Gray Tube for Balloon Casings.

RICHLAND TIRES

RICHLAND HEAVY CAR TYPE CORD

With an established record of outstanding performance among the best known Tires, the Richland Heavy Car Type Cord is building good will and real business for its dealers.

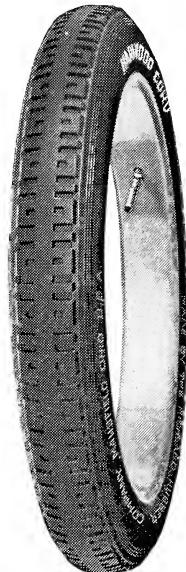
The highest quality of materials and the most rigid principles of designing and construction are embraced in this sturdy, oversize Tire.



HARWOOD CORD

High Grade Cord Tire Service is obtainable in the Harwood Cord at a moderate purchase price.

In this Tire is used the same grade of fabric found in more expensive tires. Combined with the rugged improved type tread and high standards of workmanship--the Harwood Cord is a real mileage investment.



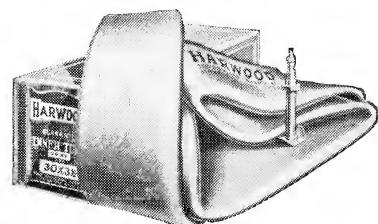
HARWOOD BALLOON CORD

In the Harwood Balloon Cord, balloon comfort and traction have been combined with exceptional mileage qualities.

This full oversize Balloon, constructed of high grade cord fabric, is an outstanding value in the field of moderately priced tires.

HARWOOD TUBE

Exceptionally high class materials and workmanship insure in Harwood a real tube value. Low priced and giving satisfactory service universally.



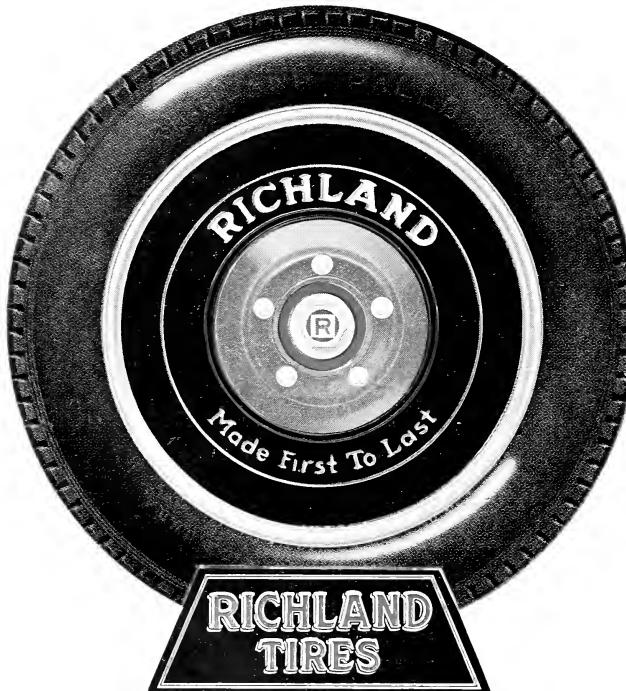
RICHLAND ADVERTISING

Tire Sales Rack

The Richland Tire Sales Rack displaying Richland Tires and Tubes commands the immediate attention of your customers.

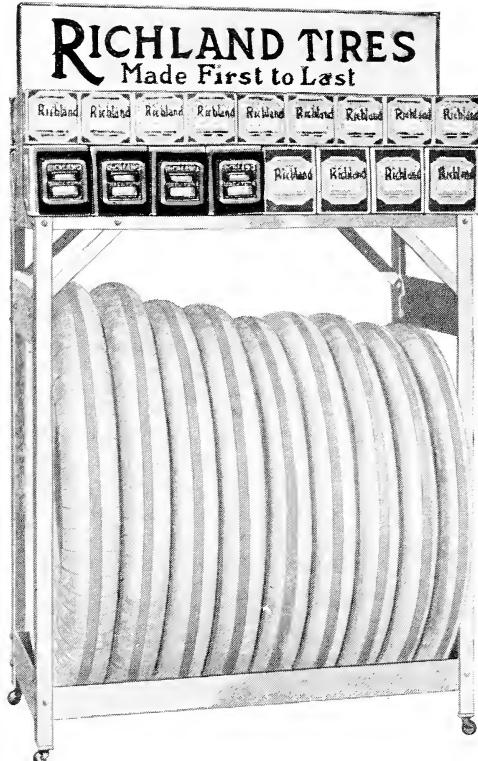
It arouses their interest and inquiry—the starting point of many sales. The stock is always arranged ready to show a prospect.

Ask our salesman how you can secure this high class display fixture—or write us direct.



SIGNS

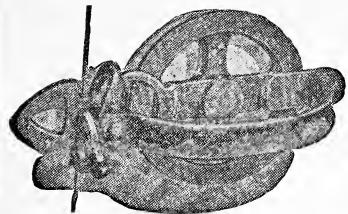
Several types of Richland Signs, Displays, literature and other forms of advertising are available to Richland dealers, in addition to those illustrated—ask your jobber's salesman for the full presentation.



DISC WHEEL DISPLAY

Exclusively a Richland display feature—a real disc wheel in size and appearance. Fits any 21" Richland Balloon Tire. In your window, on the counter or upper ledge—it attracts. Order the combination wheel (A-94) and standard (A-91) when you place your order for tires and tubes.





Porter "Slam and Slide" Barn Door Latch

Here is a device that meets with the enthusiastic approval of every farmer. The Porter "Slam and Slide" Barn Door Latch fills a long-felt want.

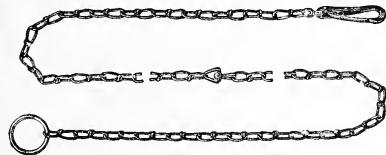
It is absolutely without equal for simplicity, strength, durability and cleverness of operation.

It works equally well right or left, on either 'slam or sliding doors.

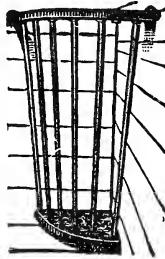
Can be locked with padlock. The screws are protected. Adapted for any size door. Material is the very best malleable iron. Nicely finished. Price: .65; postpaid, .75.

Corner Hay Rack

No. 3. Cast Top and Bottom and Steel Rods. Price.....	\$4.50
No. 12. All Cast Iron. Price.....	4.00



TIE OUT CHAIN



Cattle Leads

No. 52. Each..	.20
Postpaid.....	.25

Trace Chains

6½ Foot with hook, pair.....	\$1.60
Half with hook, pair90

Lengtheners

No. 57 with snap and six links, pair60
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Girting Chains, each40
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Halter Chains

Tenso 2-0 4½ ft. Each.....	.25
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Tie Out Chains

Eureka, 20 foot. Each.....	.60
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COW CHAIN

Eureka, 30 foot. Each.....	.80
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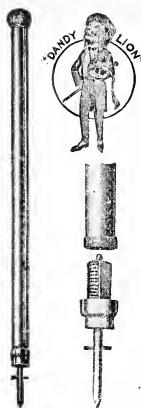
Cow Chains

2½ Foot. Open Ring.....	.35
3 Foot. Open Ring.....	.40
3½ Foot. Open Ring.....	.45
4 Foot. Open Ring.....	.55
4½ Foot. Open Ring.....	.65
4½ Foot. Bull.....	.85

Stake Chains

6½ foot with Ring and Hook. Pair.....	\$1.60
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All Prices Subject to Change Without Notice



"Dandy-Lion" Weed Killer

Dandelion, Pigweed, Burdocks and other common weeds quickly and easily destroyed without cutting or digging, by use of the new "Dandy-Lion" Weed Exterminator. Cutting or pulling off the tops only retards the growth, the weeds soon re-appear, more vigorous than before. One operation with the "Dandy-Lion" kills root and all.

How It Works

All working parts are made easily accessible. The base with all working parts is quickly unscrewed and opened up for cleaning or adjustment. The plunger is pushed down into the crown of the weed and the hole is enlarged by moving the handle with a circular motion. Then by pressing down the handle, the valve opens, the desired amount of weed killing solution is deposited in the centre of the root to be killed and the work is done.

Price, \$1.00.

Sisal

Rope Halters

No. 22K 6½ feet End Snap.	
Price: .25; Postpaid, .35	
No. 22F 8½ feet One Snap, Illustrat-ed.	
Price: .35; Postpaid, .45	
No. 22A 10 feet Two Snap.	
Price: .45; Postpaid, .55	

Bull Rings

Postpaid

2½ in. Copper.....	.35	.40
3 in. Copper.....	.40	.45
3½ in. Bronze.....	1.80	1.85



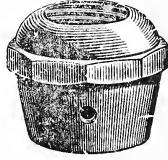
Corner Feed Manger

No. 3, Plain Edge, 17x17.....	\$3.15
No. 6, Rolled Edge, 17x17.....	3.50



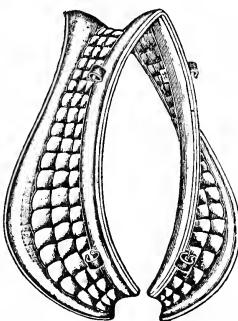
Ox Balls

No. 12. Each.....	.10
No. 14. Each.....	.15
No. 30. Each.....	.30
No. 8. Extra Large, Each.....	1.15



Horse Collar Pads

Tapatco Brand Red Edge. Old Gold Drill. Composite Stuffing. Four Hooks. Four Rows Quilting. Prices:



19 in., .60 each, .70 postpaid	
20 in., .60 each, .70 postpaid	
21 in., .60 each, .70 postpaid	
22 in., .65 each, .75 postpaid	
23 in., .65 each, .75 postpaid	
24 in., .70 each, .80 postpaid	
25 in., .70 each, .80 postpaid	

Bull Snaps

No. 500.....\$1.25; Postpaid, \$1.35

Animal Nose Feed Bags

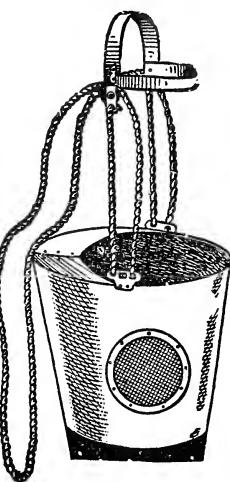
No. 24. Heavy duck, wood bottom and head ropes..... \$.80

No. 24½. Same as No. 24 with pulley attachment.....1.10

No. 36½. 12 oz. duck, wood bottom, leather vent and pulley attachment..... 1.20

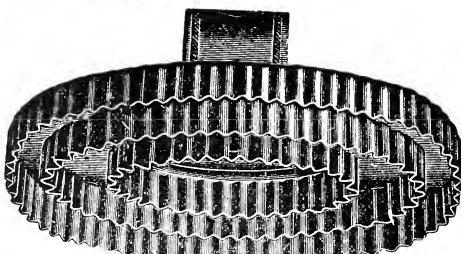
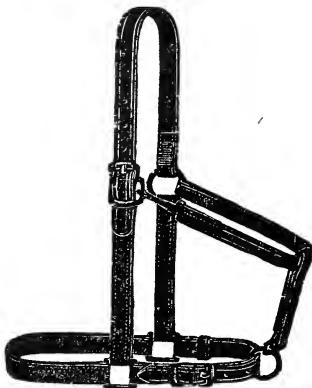
No. 18½. 15 oz. duck, leather bottom, sewed, leather vent and head ropes.....1.40

No. 39½. No. 6 duck, 9" leather bottom, leather vent and head ropes.....1.75



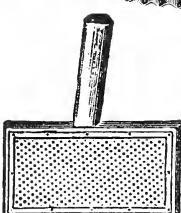
Leather Halters

No. 57, Black.....\$2.15
Black Cattle Halter..1.30



Reform Curry Comb

Price, .20
Postpaid .25



Cattle Cards

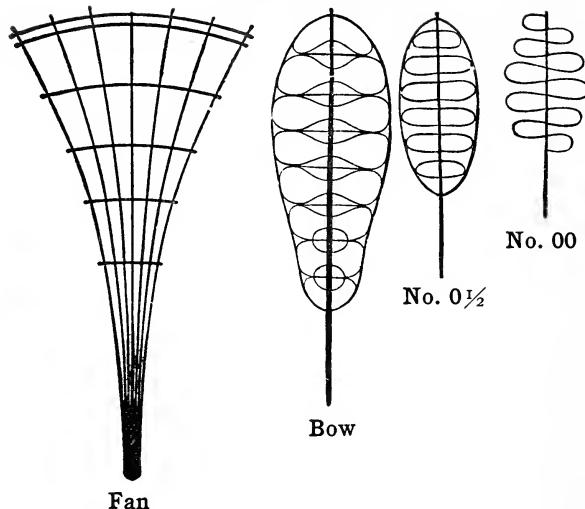
No. 04. Leather Board.....25
No. 4. All Leather.....30
No. 2. Leather, large size.....35
Postage, .05 each.

Cow Bells

No. 1. 6½ in.....80; postpaid, .90
No. 2. 5¼ in.....65; postpaid, .75
No. 3. 4¾ in.....50; postpaid, .60
No. 4. 4 in.....45; postpaid, .55
No. 5. 3¾ in.....40; postpaid, .50
No. 6. 3 in.....35; postpaid, .45



Trellises



Fan Trellis

	Price
1½ ft. Fan, 7 in. wide.....	\$0.35
2 ft. Fan, 10 in. wide.....	.50
2½ ft. Fan, 13 in. wide.....	.70
3 ft. Fan, 16 in. wide.....	1.20
4 ft. Fan, 27 in. wide.....	1.85
6 ft. Fan, 38 in. wide.....	2.70
8 ft. Fan, 46 in. wide	3.50

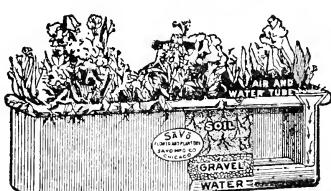
Trellises

No. 00, 18 in. 3½ wide	\$0.25
No. 00, 20 in. 8 wide .....	.30
No. 0½, 24 in. 7½ wide.....	.60
No. 1, Bow 30 in. 10 in. wide.....	.85
No. 3, Bow 36 in. 12 in. wide.....	1.20

Veranda Trellis

6 ft. Veranda, 18 in. wide.....	\$2.50
8 ft. Veranda, 18 in. wide.....	3.35
10 ft. Veranda, 20 in. wide.....	4.20

SAVO STEEL-ALL-YEAR-ROUND FLOWER BOX



Patented Jan. 23, 1917

which is the most perfect plan ever devised for the growth of any kind of plant life. Enamored dark green. Prices: A, 23 in. long, \$3.00; B, 29 in. long, \$4.00; C, 35 in. long, \$4.50.

SUCCESS PLANT BOX

The Success plant box is made of strong, galvanized iron, neatly enamored in dark green. It is so constructed that the watering is easy; the drainage ample; the air circulation perfect.

Prices: 24 in., \$1.25; 30 in., \$1.75; 36 in., \$2.50

The SAVO Self-Watering Steel Flower and Plant Box, is scientifically constructed under the Sub-Irrigation plan,

GIFFORD-WOOD CO. ICE TOOLS



No. 426.	4½ ft. Saw as above.....	Price \$7.50
No. 427.	5 ft. Saw as above.....	Price 8.00



No. 443.	Splitting Fork, Ring Handle. Weight 18 lbs.....	Price 10.00
No. 457½.	Calking Bar, Wood Handle. 1 in. in diameter. (Not illustrated.) Weight 8 lbs.....	Price 5.00



No. 458.	Bar or Packing Chisel. Steel Handle. Weight 15½ lbs.....	Price 7.50
No. 460.	Summer Bar. Curved Blade. Polished Handle. Similar to 458. Weight 17 lbs.....	Price 10.00



No. 465.	Starting Chisel. Weight 14½ lbs.....	Price 6.50
No. 468.	Socket Bar Chisel. (Not illustrated.) Weight 10 lbs.....	Price 9.00

Similar to 458, but with wooden handle.



No. 476.	Splitting Chisel, Ring Handle. Weight 14 lbs.....	Price 5.00
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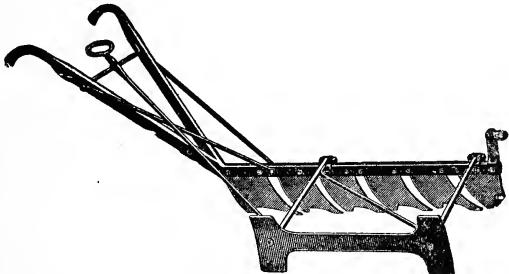


No. 486.	Needle Bar Ring Handle. 3 Tine, Weight 16½ lbs.....	Price 10.00
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No. 500.	Line Marker. Weight 2 lbs.....	Price 2.25
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Dairymen's Ice King Plows



No. 320—8 in., 5 Cutting and 1 Clearing Tooth with
14 to 22 in. Patent Adjustable Swing Guide.

Price.....\$50.00

No. 321—10 in. 5 Cutting and 1 Clearing Tooth with
14 to 22 in. Patent Adjustable Swing Guide.

Price.....\$55.00



No. 540 Boston Ice Tongs	
13 in. Price.....	\$2.20
14½ in. Price.....	2.30
16½ in. Price.....	2.35
20 in. Price.....	2.70
24 in. Price.....	2.80
26 in. Price.....	2.90

All Prices Subject to Market Changes

Ice Hooks

No. 520. Wood's 3 ft. to 18 ft.....	\$1.75 to \$5.50
No. 1300. Columbus, 3 ft. to 18 ft.....	1.85 to 4.50

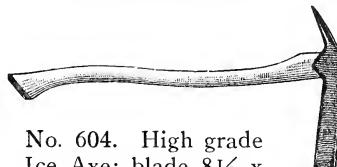
Ice Axes

No. 604 Boston Ice Axes.....	Price \$4.40
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Ice Hook Handles

3 ft. to 14 ft.....	40 to \$3.15
No. 652. D Handle 4 Point Shaver.....	Price 3.50
No. 667. D Handle 3 Tine Breaker.....	Price 9.00

Boston Ice Axe



No. 604. High grade
Ice Axe; blade 8½ x
1½ inches; handle 28
in.; weight 4 lbs.

Price, \$4.40

SIMONDS MFG. CO. GUARANTEED SAWS

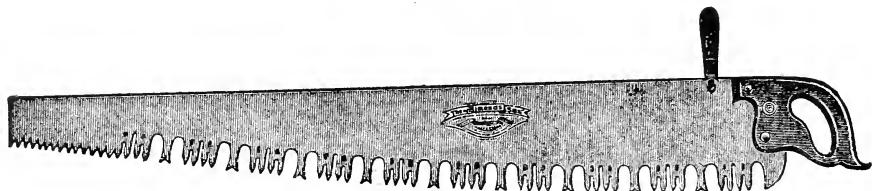


No. 325. Crescent Ground Cross Cut. Narrow Felling Saw. Lance Tooth.
No. 22. Wide Cross Cut Saw, otherwise same as No. 325.

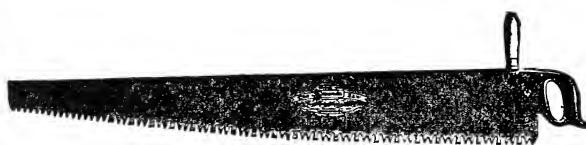


No. 315. Crescent Ground Cross Cut. Narrow Felling Saw. Champion Tooth.
No. 12. Wide Cross Cut Saw, otherwise same as No. 315.

One Man Cross-Cut Saws

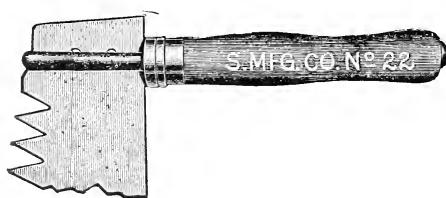


No. 222. Lance Tooth. 3½—4—4½ feet.



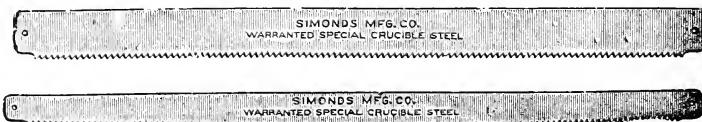
No. 231. Tuttle Tooth. 3½—4—4½ feet.

Cross Cut Saw Handles



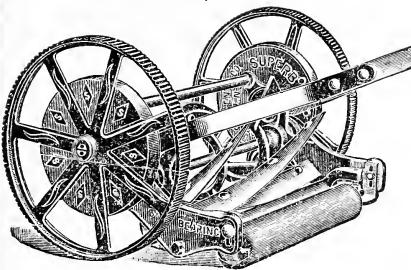
SIMONDS

Warranted Circular Saws
24 in., 26 in., 28 in., 30 in.
Bored for 1¾ in. arbor.
Wood Saw Blades 32 in.
Long, Narrow and Wide,
Fine and Coarse Teeth.

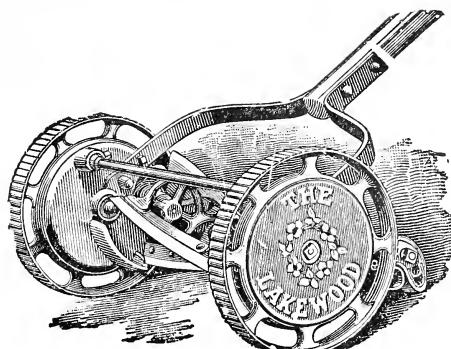


All Prices Subject to Market Changes

LAWN MOWERS



The
Superb



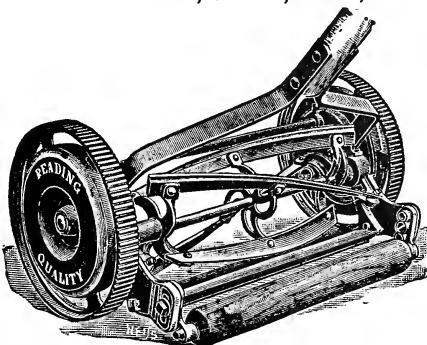
The
Lakewood

Superb is a strictly high-grade ball-bearing Lawn Mower. It is made of first-class material throughout and the workmanship and finish are unsurpassed. It has large driving wheels and fine cut gears, thus ensuring ease and quietness of running.

This Mower is furnished with patent double-edged bottom knife which is shaped like a piece of channel iron with two up-turned highly tempered edges.

Prices: 20 in., \$30.00; 22 in., \$32.25

The
Quality



This is a good Mower at a medium price for all ordinary work. The drive wheels are nine inches in diameter. The revolving cutter is 6 inches in diameter and has 3 crucible steel blades highly tempered and ground true their entire length. It is carried on our patented adjustable ball-bearings.

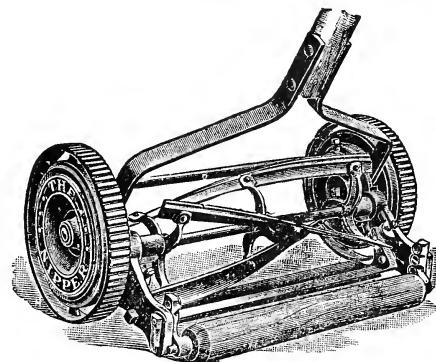
Prices: 14 in., \$9.85; 16 in., \$10.25; 18 in., \$10.75

This Mower we guarantee to be the best ball-bearing Lawn Mower, for the price, on the market. It has high wheels (9 inches), flat, steel sliding pawls in the ratchets, and large diameter revolving cutter (6 inches), furnished with four blades.

This Lawn Mower is equipped with our patent adjustable ball bearings, the adjustment of which is accomplished by means of a single screw.

Prices: 16 in., \$13.50; 18 in., \$14.25

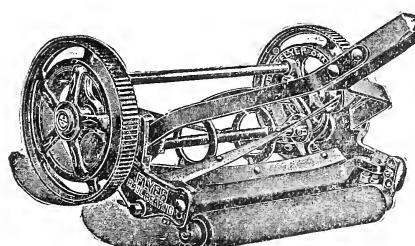
The
Nipper



This is a good Lawn Mower at a medium low price and gives the purchaser full value for his money. It has brass bushings and the same ratchets and adjustments that are used on many of the high grade Mowers, and it is in every respect what is needed at the present time, viz., a Mower that will do good service and at a cost but little higher than the poor trash that is put out so freely.

Prices: 14 in., \$6.70; 16 in., \$7.00; 18 in., \$7.50.

Townsend's
Victory



Townsend's
Flyer

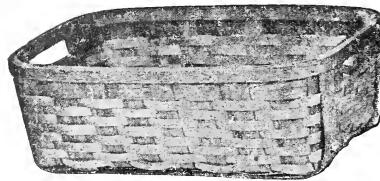
We cannot offer a better Mower at any price. It has ball-bearings of the very highest grade exact to $\frac{1}{4}$ of 1-1000 of an inch, which greatly reduces friction. Double Steel Ratchet, very swift and smooth in action, as well as exceedingly hard for durability. Triple Gear. Entirely enclosed, allowing no dirt or cut grass to find its way into the pinions or cogs.

Prices: 16 in., \$22.25; 18 in., \$23.75; 20 in., \$25.75

A splendid High-Grade Mower, at a little lower price than the "Victory." Ball-bearings entirely enclosed. Adjustments very simple. Knives very hard and of the best steel.

Prices: 14 in., \$13.25; 16 in., \$14.50; 18 in., \$15.75.

BASKETS



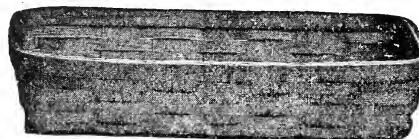
Market Basket, Hole Handle

Ash Strapped Market Baskets, Hole Handle

	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	\$0.70
No. 2	21 in.	12 in.	6½ in.	.80
No. 3	23 in.	13 in.	7 in.	.90

Ash Strapped Market Baskets, Bail Handle

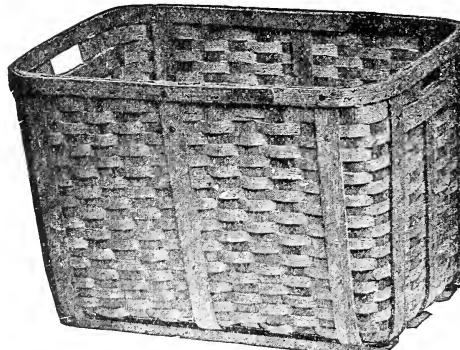
	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	\$0.80
No. 2	21 in.	12 in.	6½ in.	.90
No. 3	23 in.	13 in.	7 in.	1.05



Grocers' Counter Basket

Grocers' Counter Baskets

	Length	Width	Depth	Price
No. 1	17 in.	10½ in.	3½ in.	\$0.55
No. 2	20 in.	12 in.	3½ in.	.60
No. 3	22½ in.	14 in.	3½ in.	.70

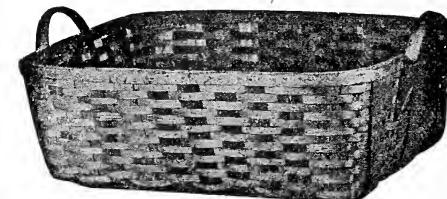


Ash Oblong Laundry Baskets

	Length	Width	Depth	Price
4 Bu.	30 in.	20 in.	17 in.	\$4.25
6 Bu.	32 in.	22 in.	20 in.	6.50

Oxford Clothes Baskets—Oblong, Loop Handles

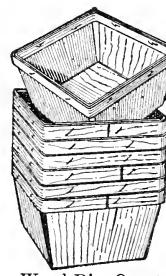
No. 1.	Small.....	each \$1.60
No. 2.	Medium.....	each 1.80
No. 3.	Large.....	each 2.00



Ash Oblong Clothes Basket

Loop or Hole Handles

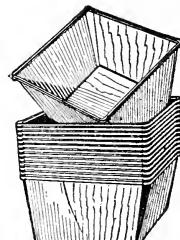
	Length	Width	Depth	Price
No. 2	26 in.	16 in.	9 in.	\$1.40
No. 3	28 in.	18 in.	10 in.	1.60
No. 4	30 in.	20 in.	10 in.	1.75
No. 5	32 in.	22 in.	10 in.	2.25



Wood Rim Quarts



Berry Baskets
All Styles and Sizes
Write for prices



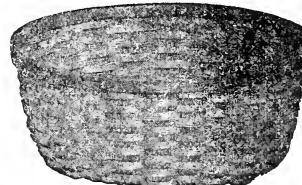
Metal Rim Quarts



Oxford Basket

Oxford Baskets with Cover and Double Bail

	Length	Width	Depth	Price
No. 2	10 in.	6½ in.	6½ in.	\$0.75
No. 3	11½ in.	7 in.	6½ in.	.80
No. 4	14 in.	8½ in.	6½ in.	1.00
No. 5	15½ in.	9 in.	7½ in.	1.15
No. 6	17 in.	10 in.	8 in.	1.30
No. 7	19 in.	11½ in.	8½ in.	1.50
No. 8	22½ in.	13½ in.	9½ in.	1.75



Ash Barrel
Display Basket

Price, \$0.60

Oxford Grocers' Basket

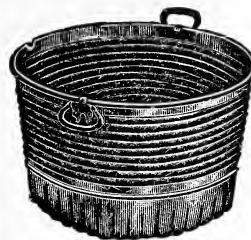
½ Bushel, block handle.....each .85

Ash Covered Hampers

No. 2. 17½ in. square, 26 in. deep. Price.....\$4.00

No. 3. 21 in. square, 29 in. deep. Price..... 5.00

All Prices Subject to Change Without Notice.



Galvanized Basket. One Bushel

Price.....\$1.00 No. 1040 12 Qt. Price \$0.80

Dinner Pails

No. 030 Heavy Tin, Tin Handle. About 3 Qt. \$0.70

No. 1040 Heavy Tin, Tin Handle. About 4 Qt. \$1.15

No. 575 Oblong Heavy Tin, Wire Handle. About 4 Qt.\$1.15

Galvanized Garbage Cans With Cover

4 Gallon Handy \$1.15

6 Gallon Handy 1.35

8 Gallon Handy 1.60

10 Gallon Handy 1.75
0881 17x23 2.50

Galvanized Wash Tubs

No. 11 20½x17¾
x10½ \$0.90

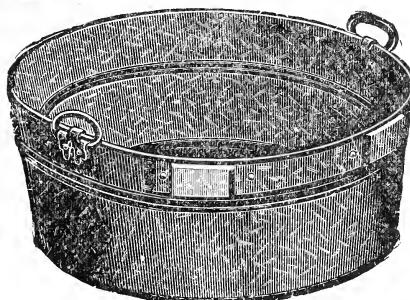
No. 22 22¾x19½
x11 1.00

No. 23 24½x21¼
x11 1.10

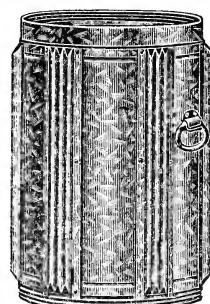
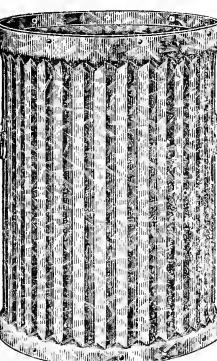
No. A 14½x11x8
.50

No. B 15½x12¾
x8½ .55

No. O 18½x15x9
.65



Galvanized Ash Cans



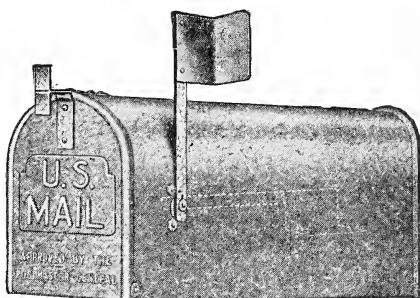
No. 0500

No. 0190 18x26. Heavy. Drop Handles, Reinforced with Steel Ribs. Price\$3.40

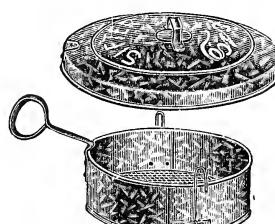
No. 0500 18x26 Medium Drop Handles. Corrugated. Price 2.50

RURAL MAIL BOXES

Conform to Post Office Requirements



Heavy gauge galvanized steel, aluminum bronze finish. Red signal flag. Opening door, hinged on bottom. Equipped with coin box inside. Length 18½ inches. Shipping weight 10 lbs. Price \$1.40



No. 0 Nesco Ash Sifter

An all metal sifter.

Price

With cover\$1.45

Without cover75

Champion Coal Sieves

Wood Rim with wood cover.....

Price.....\$1.15

Wood Rim without wood cover

Price..... .70

Revolving Dustless Ash Sifters

Revolving Ash Sifter

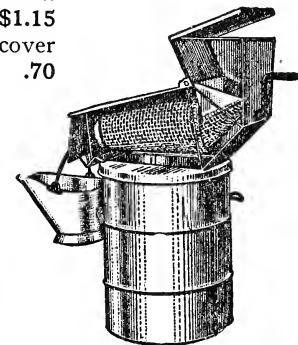
Price.....\$3.75

No. 0590 18x26 Ash Can.

Price.....\$2.50

No. 516 Galvanized Coal Hod. Price.....50

Combination complete as shown.....\$6.75



Iron Horse Galvanized Watering Pots

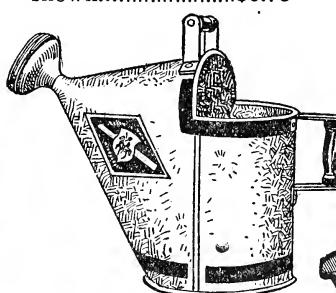
6 Qt. Price \$1.20

8 Qt. Price 1.30

10 Qt. Price 1.50

12 Qt. Price 1.80

16 Qt. Price 2.40



Galvanized Coal Hods

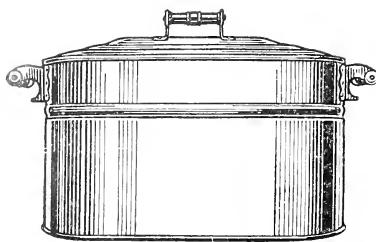
No. 516 Small Price \$0.50

No. 517 Medium Price .55

No. 518 Large Price .60



All Prices Subject to Change Without Notice



Wash Boilers

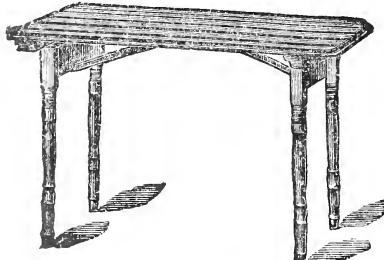
Prices on Application

Galvanized Oil Cans

1 Gal. Polo with Handle and Bail.....	\$0.40
2 Gal. Polo with Handle and Bail.....	.55
5 Gal. Columbia with Brass Faucet.....	1.20
5 Gal. Falcon with Iron Faucet.....	1.10
5 Gal. Home Rule Pump Can	2.10
5 Gal. Climax Pump Can	1.70
5 Gal. Red Gasoline with spout.....	.95
5 Gal. Jacket Tin Can....	1.10
10 Gal. Jacket Tin Can	2.00
1 Gal. Screw Cap Tin Can .....	.25



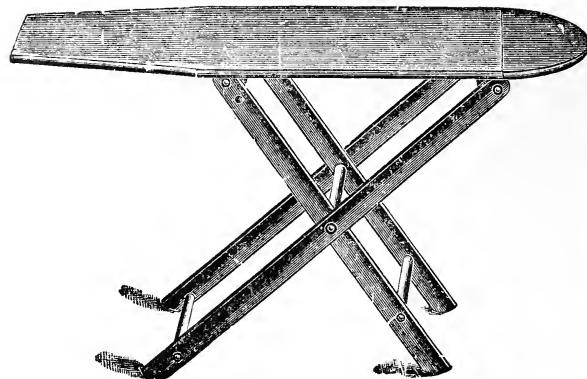
WOODENWARE



Folding Sewing Table

No. 000	36x19	each \$2.55
No. 00	36x19, with Castors,	each 2.80
No. 0	36x20, with Castors,	each \$3.60

All Prices Subject to Market Changes



Folding Ironing Table

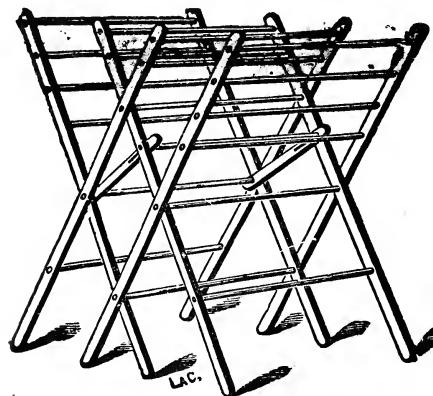
No. 2	54x16, Cloth Top.....	each \$3.90
No. 3	54x16, Plain Top.....	each 3.60

Pastry Boards

16x22, each	\$1.10	18x24, each.....	\$1.20
20x26, each.....	1.40		

Bread Boards, with Rim

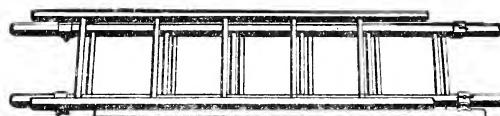
16x22, each.....	\$1.20	18x24, each.....	\$1.35
20x26, each.....	1.60		



Spruce Clothes Horse

No. 3	Small, 40 feet drying space.....	\$2.00
No. 3½	Medium, 50 feet drying space.....	2.25
No. 4	Large, 60 feet drying space	2.50

LADDERS



Extension Ladders

20, 24, 28 and 30 foot Ladders.....	48 per foot
32, 34 foot Ladders.....	53 per foot
36, 38 and 40 foot Ladders.....	57 per foot

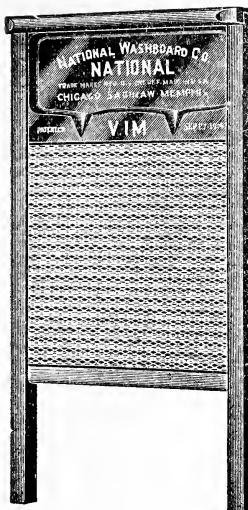
Common Ladders

8 to 16 ft..... per ft.	\$0.34	18 to 20 ft.....per ft.	\$0.39
22 ft.....		per ft.	.42

Apple Ladders

6 to 16 ft..... per ft.	\$0.34	18 to 20 ft.....per ft.	\$0.39
22 ft.....		per ft.	.42

Washboard



No. 100 Northern Queen, perforated, duplex protector.....	\$0.65
No. 725 Naiad, perforated, spiral crimp.....	.60
No. 795 Junior, pail size, 8½x 19, Globe crimp.....	.40
No. 815 Daisy, pail size, 7¼x 16, globe crimp.....	.25
No. 12, Tidal Wave Glass, spiral crimp.....	.60
No. 181 Vim Brass, peerless crimp.....	.75
No. 182 Vim Zinc, peerless crimp.....	.65
No. 180 Vim Glass, spiral crimp .....	.75
No. 852 Roma Special Metal, plain crimp, double surface .....	.35

Step Ladders

Paris Hard Wood Step Laddersper ft. \$0.65

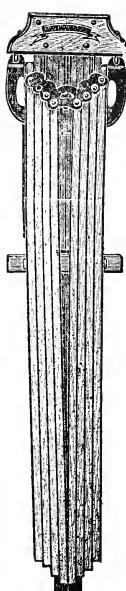


Slaw and Kraut Cutters

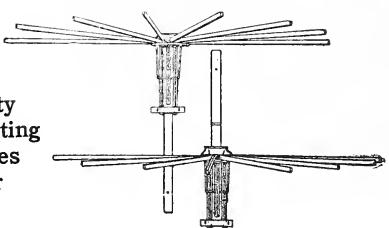
No. 622 Slaw 6x18 in., 2 Knife.....	\$0.80
No. 643 Kraut 9x29 in., 3 Knife.....	2.50
No. 645 Kraut 11x33 in., 3 Knife.....	3.25

Axle Grease

Fraser's Small Tin Boxes.....	\$0.30
Fraser's 3½ lb. Tin Pails.....	.65
Snow Flake.....1 qt., .45; 2 qt., .75; 1 gal., \$1.30	



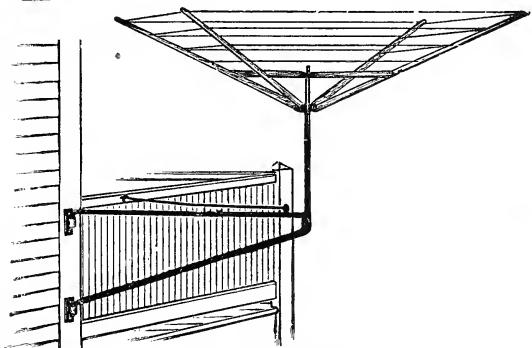
Beauty
Elevating
Clothes
Dryer



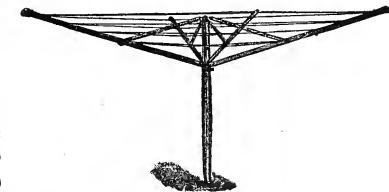
Smith's Wall Dryer.....	\$1.15
Beauty Wall Dryer.....	1.35
Burnell Adjustable Dryer.....	1.00



Smith's Wall Dryer



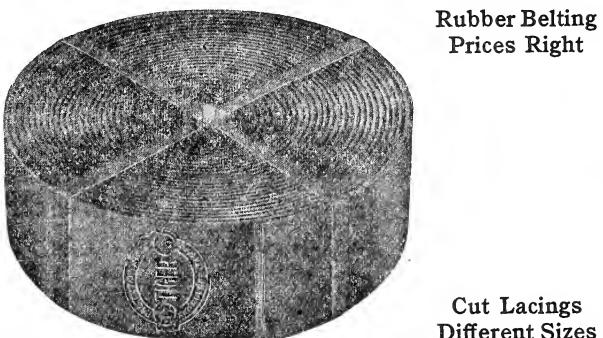
Balcony Dryer



Outdoor Clothes Dryer

Outdoor Clothes Dryers

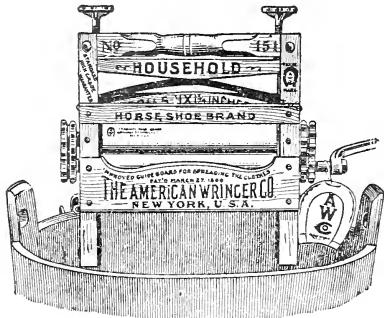
No. 1 110 ft. 4 Line	\$7.25
No. 2 150 ft. 5 Line	8.00
Balcony.....14.00	



Cut Lacings
Different Sizes

All Prices Subject to Market Changes

Wringers
American Wringer Company's Celebrated Horseshoe Brand



Tub Wringers
Iron Frame—Plain Bearing

No. 100 Daisy, 10 in., 1 year warrant..... \$3.55
No. 330 Relief, 10 in., 3 year warrant..... 5.15

Wood Frame, Plain Bearing

No. 100, Rival, 10 in., 1 year warrant..... \$4.95
No. 340 E Universal, Reversible Board, 10 in., 3 year warrant. Enclosed Gears 6.80

Wood Frame, Ball Bearing

No. 380 E Universal, 10 in., 3 year warrant. Enclosed Gears \$6.30
No. 381 E Universal, 11 in., 3 year warrant..... 6.60
No. 361 E Universal, 11 in., 3 year warrant. Reversible Board 7.60

Bench Wringers

No. B380 E Universal, 10 in., 3 year warrant.
Ball Bearing. Enclosed Gears \$10.15

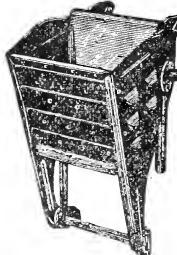
Wringer Rolls and Repairs

White Mop Wringers

Hotel Size

No. 1

Steel sides and front, wood back and bottom. For 16 to 24 oz. mops. Packed 1 doz. to crate. Wt. 140 lbs.

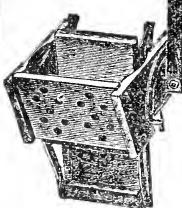


Price, \$3.50

FAMILY SIZE

No. 2

Maple sides and front, birch back and bottom. For rag or Cloth mops. Packed ½ doz. to crate. Wt. 42½ lbs.

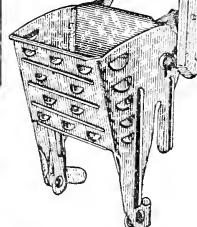


Price, \$2.25

FAMILY SIZE

No. 14

"Can't Splash"
Two piece all galvanized 14 gauge steel. For 8 to 16 oz. Mops. Packed ½ doz. to the crate. Weight 57½ lbs.



Price, \$3.00

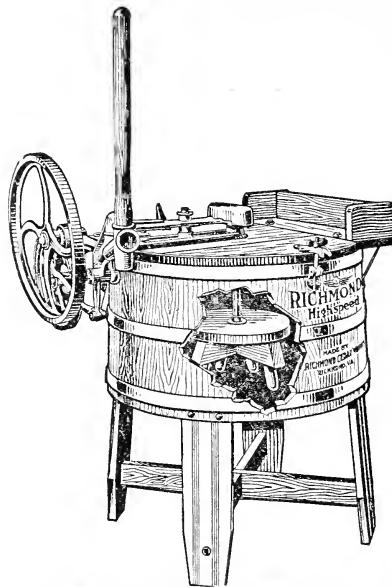
Round Oak Butter Boxes with Bail

4 Quart each \$0.75
8 Quart each 1.00

Wooden Sugar Buckets

20 lb. Small Price \$.70
40 lb. Medium 1.10
70 lb. Large 1.50

Richmond Highspeed Washing Machine



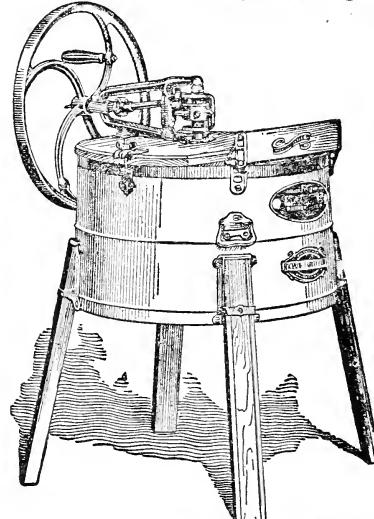
Richmond High Speed Washing Machine is fitted with well balanced fly wheel running on ten roller bearings and geared direct with cut tooth gears (all covered), which produces a mechanism with no dead center. Virginia white cedar tub, large flat steel hoops. Shipping Weight, crated, 115 lbs.

Price: \$18.25.

Lightning Washing Machine, a good first-class machine made of Virginia white cedar, finished in light gray paint.

Price, \$10.75

THE MAJESTIC
Rotary Washing Machine



Roller bearings, Virginia White Cedar Tub. Electric-welded Wire Hoops.

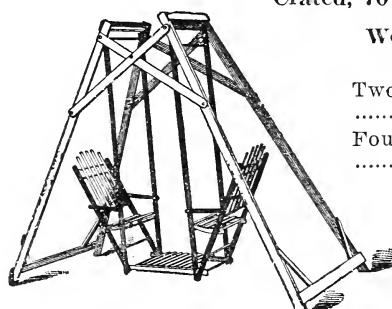
The best, most durable and lightest running Rotary Washing Machine made.

The Majestic will wash overalls, blankets and heavy garments, or lace curtains and other delicate fabrics, perfectly and without injury.

Shipping Weight, Crated, 70 lbs. Price, \$13.50

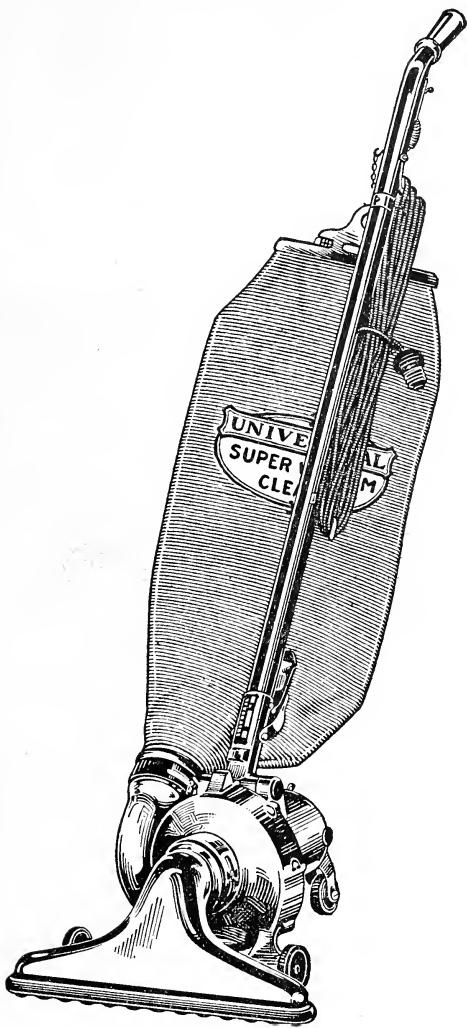
Westfield Hardwood Lawn Swings

Two passengers, each \$10.00
Four passengers, each 13.50



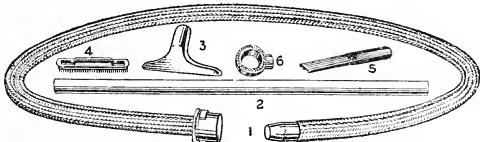
All Prices Subject to Change Without Notice

**THE
UNIVERSAL SUPER-VACUUM ELECTRIC CLEANER
Different and Better**



**Gets all of the Dirt
Gets none of the Rug**

The patented, Thread-Picking, Self-Cleaning Nozzle is the important improvement on the UNIVERSAL that has enabled it to become the most efficient cleaner today.



Because of its powerful suction, greater than that of other cleaners, its attachments make possible a real cleaning job—something never before accomplished with attachments of cleaners using less powerful suction. Write for folder and prices.

All Prices Subject to Change Without Notice

PORTABLE UTILITY GASOLINE STOVE

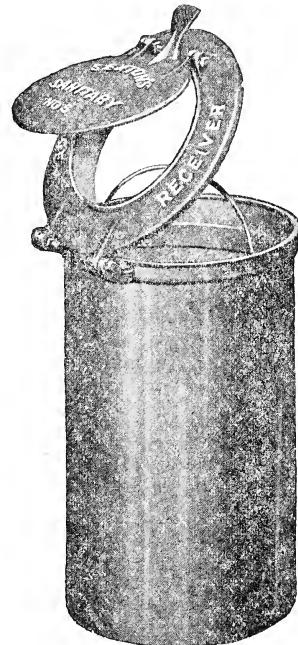


in two minutes.

Write for special folder and prices.

Clean Heat.
Perfect for cooking — better than gas.
Absolutely safe.
Three Burners, quick heat, no odor.
The combustion of fuel is 100 per cent perfect, insuring a cooking heat of the highest degree of efficiency.

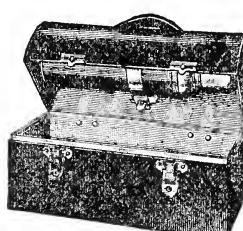
The complete stove can be set up ready for use



Sexton All Metal Underground Garbage Receiver

Sanitary, odorless and flyproof. Garbage will not freeze. Outer body and inner pail heavy sheet galvanized steel. Supporting ring and cover made of cast iron, with foot treadle.

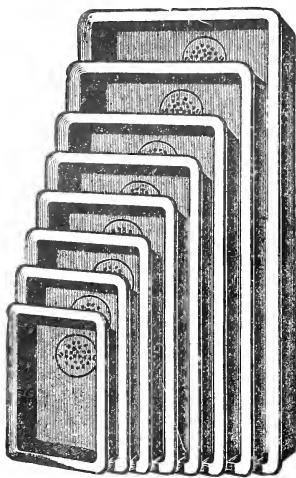
No. 4	10 gal. capacity.....	\$8.00
No. 5	15 gal. capacity.....	12.00



**Universal Columbia
Lunch Kit**

Hinged Cover Type

No. 2011, Lunch Kit. Black finish. Equipped with No. 1011 pint Columbia Bottle. Bottle has polished aluminum shoulder and drinking cup. Price, \$1.50; postpaid, \$1.65

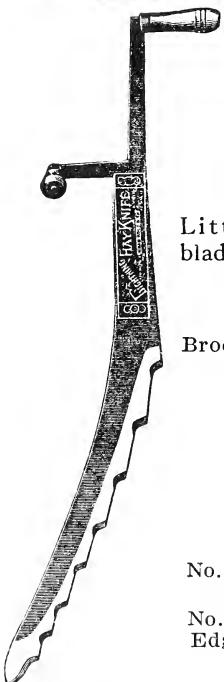


Sinks

We carry the principal sizes of cast-iron sinks, fitted for lead pipe.

Prices

2 1/2 feet x 18 in.	\$4.60
3 feet x 20 1/2 in.	5.35
3 1/2 feet x 22 in.	6.75
4 feet x 24 in.	8.90
4 1/2 feet x 24 in.	11.50



**Lightning
Hay Knife**

Price, \$1.65

Grass Hooks

Little Giant, folding blade, **Price, \$0.60; postpaid, .70**

Corn Hooks

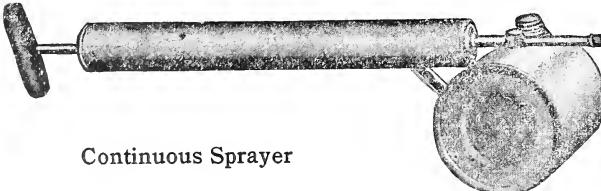
Brooks, Serrated. **Price .50; postpaid, .60**



Dust Pans

No. 4. IC Japanned Black. **Price, .15; postpaid, .20**

No. 90 IX Japanned Black. . Triple Edge. **Price, .20; postpaid, .25**



Continuous Sprayer



**Lightning
Hay Knife**

Price, \$1.65

Grass Hooks

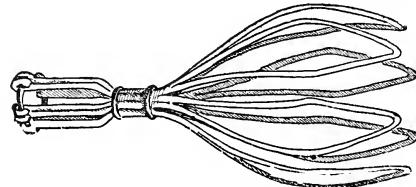
Little Giant, folding blade, **Price, \$0.60; postpaid, .70**

Corn Hooks

Brooks, Serrated. **Price .50; postpaid, .60**



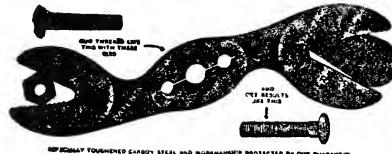
Machine weighs 6 lbs. Furnished with three tubes, 5 nozzles and strap. Distributes any dry powder. Dusters one or two rows. Reservoir holds nearly a quart of powder. **Price\$12.00**



Wire Fruit Picker

No. 699. Wire to attach to pole.

Price, .60; postpaid, .70



**A Wrench and Thread Cutter. Frosted Nickel.
Non-Rusting.**

This tool has more uses than any wrench on the market. A necessity on the farm, in every shop and household.

Price, \$0.60; by mail, \$0.70

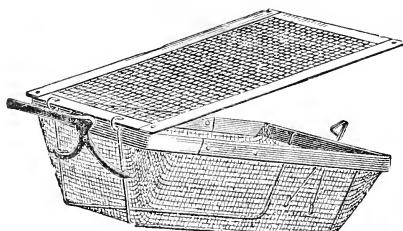


Lowell

Hand Oil Sprayers

Price Postpaid

No. 112 Tin .....	.40	.50
No. 115 Tin, continuous .....	.70	.80
No. 118 Tin, Jumbo Midget .....	.35	.45
No. 132 Tin, Flyer Midget .....	.30	.40



Corn Poppers

1 Quart Common	\$0.30
2 Quart Extra Heavy .....	.40
4 Quart Extra Heavy .....	.75

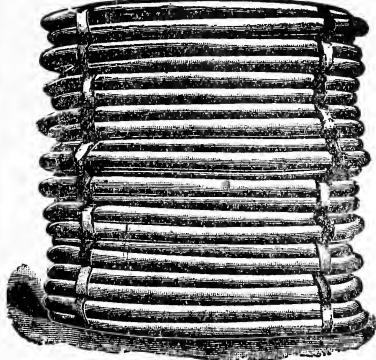
FOR THE LAWN

Try Our Purity Lawn Seed

Mixed for us from one of the best formulas known and containing no weed seeds.

All Prices Subject to Change Without Notice

HISCO



Rubber Garden Hose

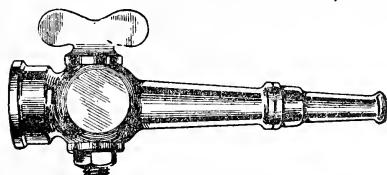
Moulded Type
Corrugated
 $\frac{5}{8}$ in. Price foot,
.....\$0.16

Hero Cord
 $\frac{5}{8}$ in. Price foot,
.....15



Diamond Spray
Nozzle.

This is unquestionably the best combination spray nozzle on the market today. It is made of but three parts, all of which are made to gauges on automatic machines, thus insuring perfect uniformity and adjustment.
Price, \$0.75; Postpaid, \$0.85



Daisy Nozzle

This is our original Daisy Nozzle. It is made with screw tip and shut-off cock; it is of good brass and finely finished. This Nozzle gives a smooth, free water way for the solid stream, and throws a large amount of water when spraying, thus saving time and causing less strain on the hose.
Price, \$1.20; Postpaid, \$1.30

Dayton Sprinkler Type "C"

Guaranteed to cover larger area than any other sprinkler made with arms, because of main stream flow from two center nozzles.

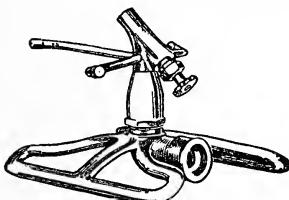
This flow can be regulated to throw 4 to 6 gallons of water per minute by simply taking off nozzle caps.

Will operate on only $\frac{1}{2}$ pound of water pressure.

Made with best brass and non-wear Babbit bearing along same high grade lines as our other sprinklers.

Price \$2.50; Postpaid, \$2.65

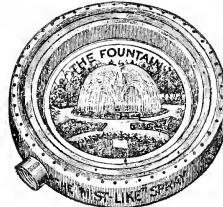
The Dayton Type "B" Sprinkler



Operates on pressure as low as one pound.

Nozzle easily adjusted from wide-sweeping spray to heavy stream. Will sprinkle circle 3 to 56 feet in diameter. Price, \$3.75; Postpaid, \$3.90.

The Fountain Lawn Sprinkler



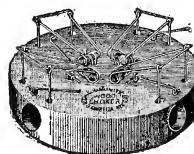
The sprinkler with the "mist-like" spray.

Price, .75; Postpaid, .85



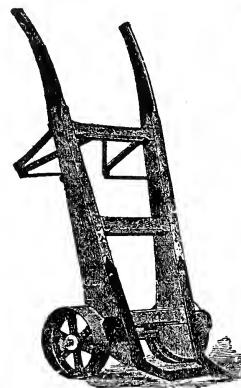
Mouse and Rat Traps

	Price
Victor Mouse.....	3 for \$0.10
Hold 'Em Mouse, Wire Cage...	.50
Four Hole Wood, Choker.....	.15
Five Hole Tin.....	.10
Victor Rat.....	.10
Erie Rat.....	.30
Hold 'Em Rat, Wire Cage.....	.80



Erie Rat Trap

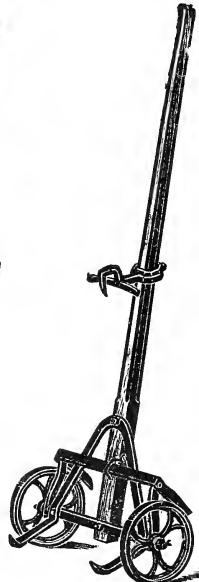
TRUCKS



Half Strapped
Steel Nose
Trucks



Dandy
Bag Truck



Steel Nose Trucks
Boston Pattern

Eureka
Ash Can Truck

Built for heavy service

1 B Small, half strapped.....	\$8.00
2 B Medium, half strapped.....	9.75
3 B Large, half strapped.....	13.75
Eureka Ash Can.....	3.75
Dandy Bag Truck, no legs.....	4.75

All Prices Subject to Market Changes



HIGH GRADE AXES IN MAINE AND HALF WEDGE PATTERNS

Hisco Guaranteed Axes

Single Bit	Price, \$2.00
Double Bit	Price, 2.50

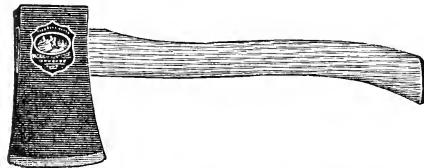
Mountaineer Guaranteed Axes

Single Bit	Price, \$1.75
Double Bit	Price, 2.25

Men's Handled Axes

Single Bit	Price, \$2.00
Boys' Handled Axes	

2 1/4 lb. 28 in. handle.....	Price, \$1.40
------------------------------	---------------



Flint Edge

Hunters'
Handle Axe
\$1.50

Picks, Mattocks, Etc.



Wood Choppers' Mauls

6 to 9 lbs.

Price, per lb.\$0.17



Wood Choppers' Wedges

3 1/2 to 6 lbs.

Price, per lb.....\$0.10



Short Cutter Mattock

Price, .90



1 Mattock
Price, .95

Crowbars

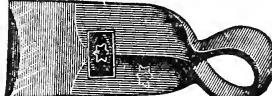
12 to 18 lbs.

Price, per lb.....\$0.10



Long Cutter Mattock

Price, .95



Grub Hoe
Price, \$0.80

Victor Game Traps

A reliable trap is as important to the trapper as a good gun is to the hunter. For the loss of one pelt often equals the cost of a whole season's traps.

In the minds of the trappers who have used various brands of traps, the Victor is conceded as holding first honors, for durability and general efficiency, all things being taken into consideration.

VICTOR

No. 0
No. 1
No. 1 1/2



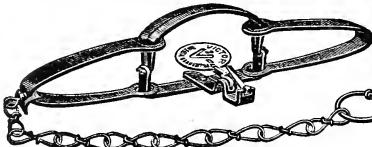
ONEIDA JUMP

No. 91. The ideal trap for skunk.



VICTOR

No. 2. The fox and raccoon trap.



Write for special folder and prices.

Lightning Fruit Jar Opener

Price, \$0.10

98 Turntable

Apple Parer

Price, \$1.30

White Mountain

Apple Parer

Corer and Slicer

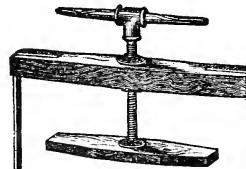
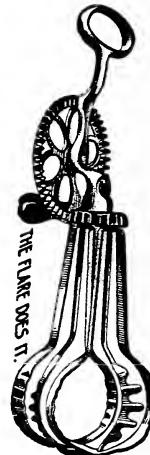
Price, \$1.00

Egg Beaters

No. 5 Holt's.....\$0.25

No. B Holt's Hotel Size..... .30

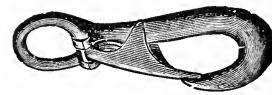
Lyons..... .40



Barrel Headers

A simple contrivance, but indispensable for putting heads in barrels after being filled with apples and other produce.

Price, 1 inch screw, \$4.15



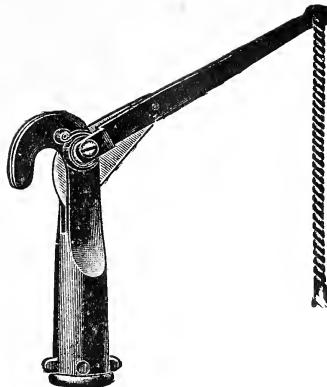
Imperial Harness Snaps

Full line of Square, Round, Swivel and Open Eye Styles in both tin plate and imitation rubber.

Telephone

**Pruner
Head**

Made to attach to any pole. Are heavier than the regular tree pruners.



Price, each.....\$1.15
Postpaid..... 1.30
Extra Knives..... .15
Extra Springs..... .15



Rockdale Pruners
No. 45 26 in.
Price, \$1.60; postpaid, 1.75
No. 48 41 in.
Price, \$2.00; postpaid, \$2.15



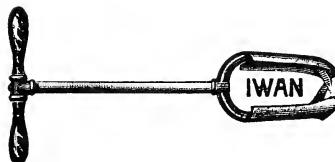
Pruner Shears. (California Pattern)
No. 65 Japanned
Price, \$0.95, postpaid
No. 40 Nickeled
Price, \$1.65, postpaid
Extra Bolts and Nuts, .30



**Clyde Draw Cut
Pruner**

The most powerful pruner made.
24 in. \$3.75

Iwan Post Hole Auger
8 inch..... \$2.25

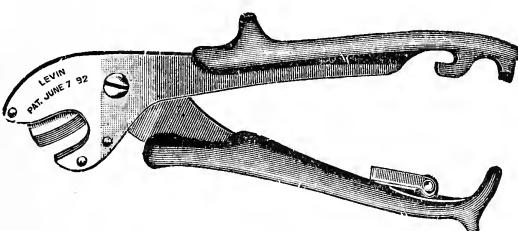


**Standard
Tree Pruners**

Very useful for trimming trees, and cutting down moths' nests.



	Price
8 ft.	\$1.75
10 ft.	1.85
12 ft.	2.00
14 ft.	2.20
16 ft.	2.20
Knives	.20
Springs	.10



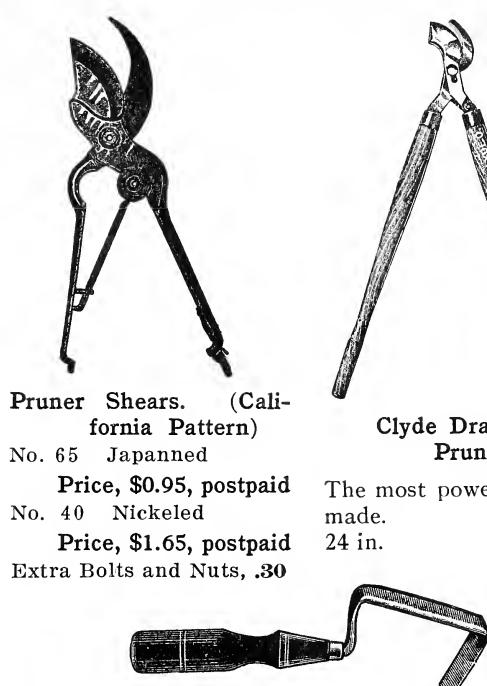
Levin Pruning Shears

Price Postpaid
No. 23 \$0.65 \$0.75
No. 2475 .85



**Secor's Weeding
Hook**

Price, .20
Postpaid, .25



Hazeltine Hand Weeder

By far the best and most practical Weeder for all kinds of vegetables and flowers ever invented.
Price, .55; postpaid, .60

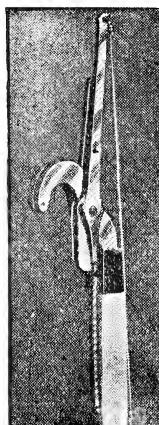
Foot Warmers

More commonly known as soap stones

Price, 6x8.....	\$0.85
Price, 7x9.....	.95
Price, 8x10.....	1.15



**Hudson
No. 15
Barn
Scraper**
Price, \$1.75



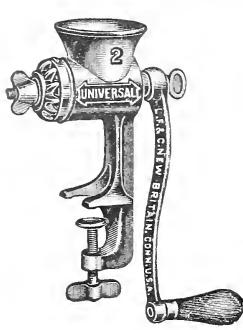
Highley's

King of Pruners. Both Self-Holding and Non-Holding

Never any danger of receiving shock by crossing electric wires, as they are operated by a cord running the entire length of pole.

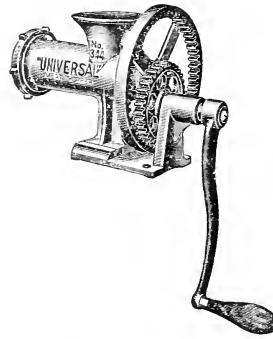
12 ft. Self-Holding.....	\$1.60
14 ft. Self-Holding.....	2.00
16 ft. Self-Holding.....	2.00
12 ft. Non-Holding.....	1.15
14 ft. Non-Holding.....	1.25
16 ft. Non-Holding	1.40

Universal Food Choppers



No. 2

No. 0 Small family size. 3 cutters. Price, \$1.75; postpaid, \$1.90
 No. 1 Regular family size. 3 cutters, 1 grinder. Price, \$2.25; postpaid, \$2.40
 No. 2 Large family size. 3 cutters, 1 grinder. Price, \$2.75; postpaid, \$2.90
 No. 3 Hotel and market. 4 cutters. Price, \$3.50; postpaid, \$3.70



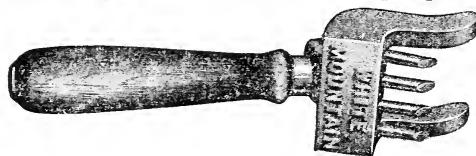
No. 344

Meat Choppers



No. 331. Chops three pounds of meat per minute.
 Price: \$5.00; postpaid, \$5.20
 No. 344. Geared handle. Chops four pounds of meat per minute. Price: \$17.00

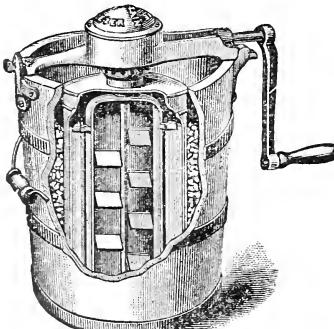
Universal Bread Maker
 No. 4 Regular family size. Capacity 2 to 6 loaves.
 Price, \$3.00; postpaid, \$3.20
 No. 8 Large family size. Capacity 4 to 10 loaves.
 Price, \$4.00; postpaid, \$4.25



White Mountain Ice Chipper
 Price, \$0.65; Postpaid, \$0.75.

White Mountain Freezers

The most popular freezer used in this section. Positive triple action.



1 quart.....	\$3.00
2 quarts.....	3.50
3 quarts.....	4.25
4 quarts.....	5.00
6 quarts.....	6.35
8 quarts.....	8.25
10 quarts.....	11.00
12 quarts.....	13.00
15 quarts.....	15.50
20 quarts.....	20.00
25 quarts.....	25.75

Wood Measures

1 qt., .30	2 qts., .40	4 qts., .60
8 qts., .70	$\frac{1}{2}$ bushel, \$1.50	
Nest of five sizes.....		\$3.40



Norcross Cultivator Hoe

5 Prong. 4-ft. Handle.....	Price \$1.10
3 Prong. 4-ft. Handle.....	Price .75

"Norcross" Midget Weeder



For Flowers, Shrub-
bery and Garden.

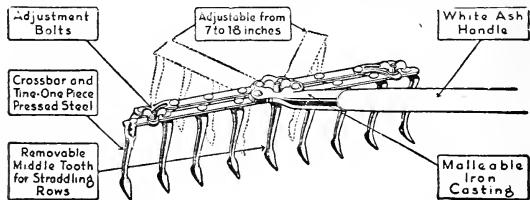
Quality and Finish same as Cultivator-Hoes

Weight 12 oz., 9 in. Handle.....	Price, \$0.50
Postpaid, .60	

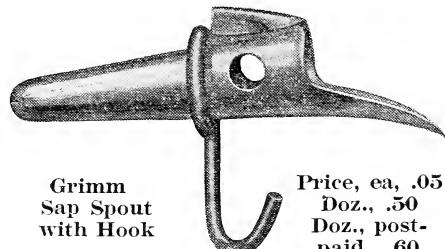


Asparagus Knife

Drop Forged Blade, excellent not only as an aspar-
agus knife, but the "best ever" for digging Dandelions
and other weeds. Price, \$0.40; Postpaid, .45

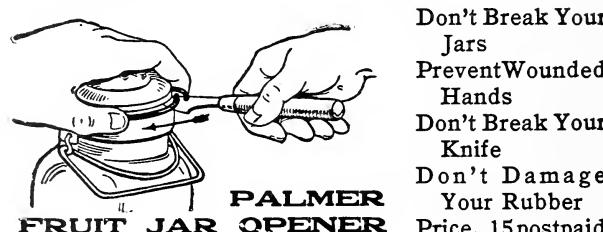


Pull-Easy Adjustable Garden Cultivator 4½-Foot Handle.....	\$1.25
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Grimm
 Sap Spout
 with Hook
 Price, ea. .05
 Doz., .50
 Doz., post-
 paid, .60

Palmer Openers for Glass Top Fruit Jars



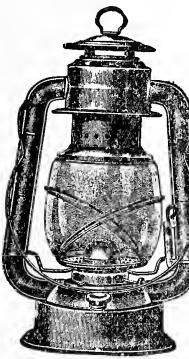
Don't Break Your
Jars
Prevent Wounded
Hands
Don't Break Your
Knife
Don't Damage
Your Rubber
Price,.15 postpaid

All Prices Subject to Market Changes

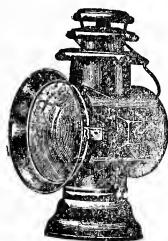
DIETZ LANTERNS AND GLOBES



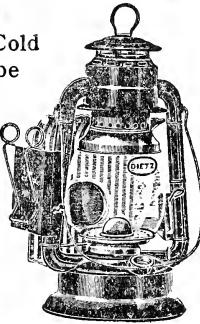
No. 2 Blizzard
Cold Blast



Wizard Lantern Cold
Blast. Short Globe

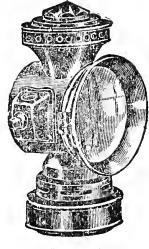


Octo
Driving Lamp

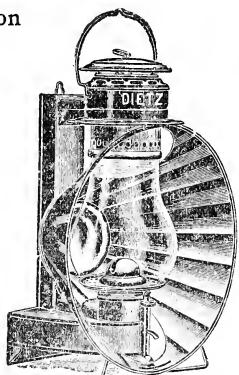


Roadster Wagon
Lantern

Dash
Clamp
Holder



Eureka
Driving
Lamp



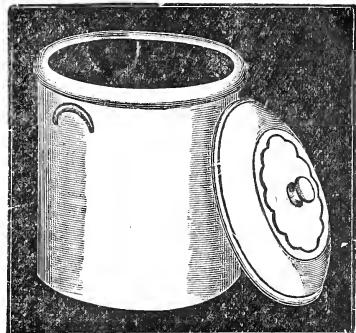
Mammoth Search Light
Cold Blast

No. 0 Monarch Hot Blast

Stoneware

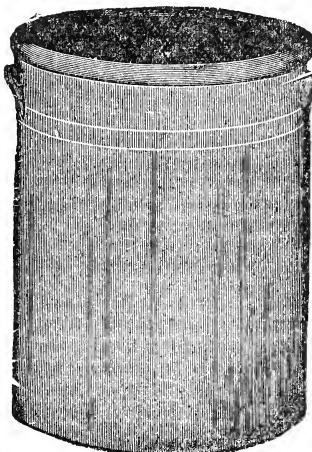
Jars Complete With Covers

1 Gallon.....	\$0.40
1½ Gallon.....	.50
2 Gallon.....	.65
3 Gallon.....	.95
4 Gallon.....	1.15
5 Gallon.....	1.45
6 Gallon.....	1.65



Stone, Meat or Pork Tubs Without Covers

8 Gallon.....	\$1.75
10 Gallon.....	2.15
12 Gallon.....	2.50
15 Gallon.....	3.50
20 Gallon.....	4.70
25 Gallon.....	6.40
30 Gallon.....	7.70
35 Gallon.....	14.90
40 Gallon.....	17.00



Stone Jugs

½ Gallon.....	\$0.30
1 Gallon.....	.40
2 Gallon.....	.65
3 Gallon.....	.95
4 Gallon.....	1.25
5 Gallon.....	1.50



Bean Pots

1 Quart.....	\$0.30
2 Quart.....	.35
3 Quart.....	.40
4 Quart.....	.45
6 Quart.....	.60
8 Quart.....	.80

Richland Tires uniformly yield full mileage because they are uniformly perfect in build. The Duplex Method, a Richland process of vulcanizing, prevents defects such as mold pinches and buckles,—invisible flaws which are a menace to tire service.

You get all the mileage of which quality materials are capable at their best, and you get it without appreciable variation.

Richland Tires wear out—eventually. But they don't give out.

All Prices Subject To Change Without Notice

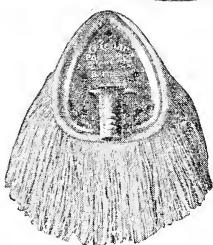
O-Cedar Polish Mops

A Better and Easier Way to Clean



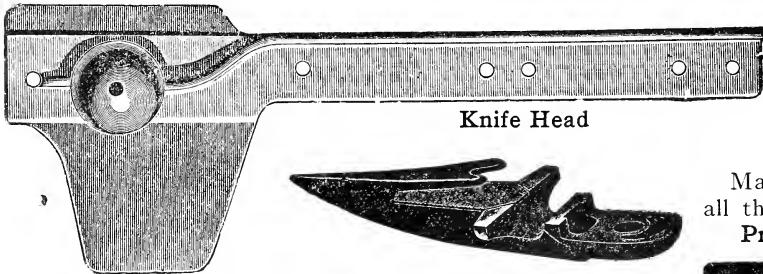
Triangular
Polish
Mop

Battleship
Polish
Mop



Cleans and polishes at the same time, putting a high, lasting lustre on all varnished surfaces. There is nothing to equal O-Cedar Polish Mop for polishing floors, linoleum, etc. Gets down into the corners, gets the dust under beds, heavy furniture, radiators, etc. The mop is padded and cannot scratch or mar the furniture.

REPAIRS AND PARTS



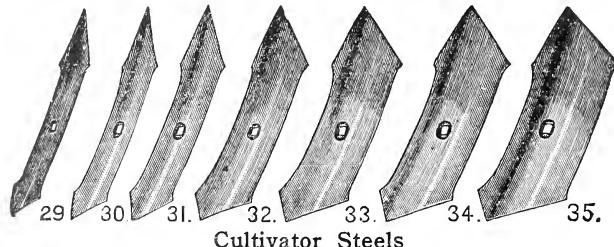
Guard Bolts and Guard Plates for all Guards, Knife Heads, Section, Rivets, etc., all guaranteed to fit the machine for which they are intended.



Steel Harrow Tooth: Square $\frac{1}{2}$ and $\frac{5}{8}$ inch.



Drive Punch: $\frac{1}{4} \times 6$ 15, postpaid, .20



Cultivator Steels

	Prices:
No. 3 Large Triangle O-Cedar Polish Mop	\$1.50
No. 4 Small Triangle O-Cedar Polish Mop	1.00
No. 9 Triangle O-Cedar Dust Mop	1.00
No. 11 Battleship O-Cedar Dry Mop	1.50
No. 15 Special O-Cedar Polish Mop	.75
No. 17 Triangle O-Cedar Polish Mop	.50

O-Cedar Polish

A Wonderful Varnish Food

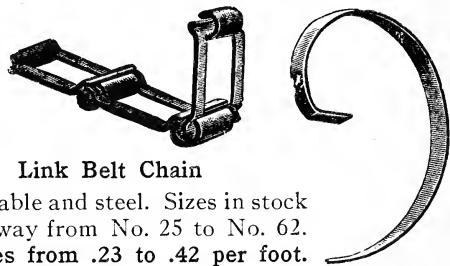


For cleaning and polishing floors, furniture, automobiles, etc. O-Cedar is by far the most economical furniture polish, as it is used with water. Puts on a high, hard, lasting lustre, and does not leave a bluish cast and gummy surface. It contains no grease, mineral by-products or benzenes.

Every ingredient of O-Cedar Polish is a pure vegetable substance. Positively will not ignite. It is easy to use. Very little rubbing is required.

O-Cedar Polish is well and favorably known and is widely advertised in connection with the O-Cedar Polish Mop.

Price: 4 oz. Bot..... \$0.30 Price: 1 qt. Cans..... \$1.25
Price: 12 oz. Bot..... .60 Price: 1 gal. Cans..... \$3.00

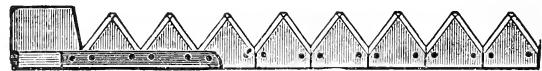


Link Belt Chain

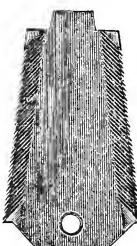
Malleable and steel. Sizes in stock all the way from No. 25 to No. 62.
Prices from .23 to .42 per foot.



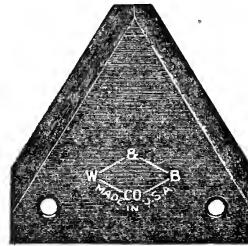
Cold Chisel: Prices $\frac{1}{2} \times 6$ 15, postpaid .20
Cold Chisel: Prices $\frac{5}{8} \times 6\frac{1}{2}$ 20, postpaid .25



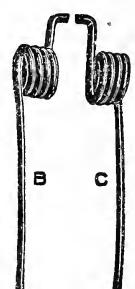
Mower Knife



Guard Plate



Section



Tedder Fork

Notice—In ordering repairs always give name of machine and number of old part. When the number or letter cannot be found, it is always best to send, by parcel post or express prepaid, the old or broken part, thus avoiding mistakes or delays.

HISCO OILS

HISCO Medium Auto Oil This is a motor oil of medium body universally adapted for general automobile use, will give good compression and wearing qualities, and is free from carbon.

HISCO Heavy Auto Oil This oil is of heavy body, superior for cars or trucks which have been in use for some time, and will greatly increase the compression and effective work of the engine. This oil is a fine lubricator and economical in use.

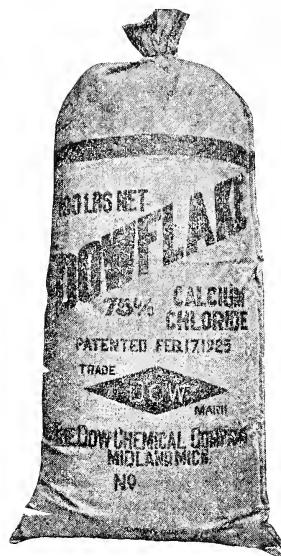
Excellence Medium Auto Oil This is also an Underhay Special and cannot be too highly recommended by us. It is from Appalachian crude, carefully filtered, with high wearing qualities, low cold test, and once used customer will have no other quality.

HISCO Amber Separator Oil This oil is for cream separator use, and is very light in body to meet the conditions of a separator.

HISCO Red Engine Oil This is a lubricating oil of good body, free from gum or sediment, of proper quality to lubricate general engine or shafting bearings, mowing machines and all other farming tools.

HISCO Paraffine Oil This is an amber oil light in body, especially for use in laying dust on floors, very light lubrication, or for any other use where an oil of light body and low price is needed.

Cup Grease This is a superior yellow Cup Grease, medium in consistency, for use in cups on the engine, spring ends, and elsewhere about the automobile and truck, also for any engine room use where a grease is needed in a compression cup.



Dowflake is a perfected form of Calcium Chloride, is white in appearance and resembles common salt, except that it is in the form of flakes rather than small granules. It has the property of absorbing from the air and holding three times its own weight in moisture.

Dowflake is an efficient dust preventive and road binder.

Packed in 100 lb. moisture proof bags and 350 lb. metal drums.

Write for prices.

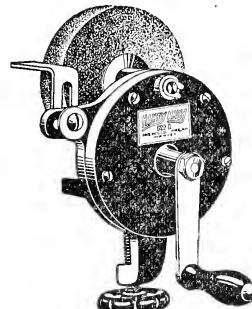
No. 148 Gasoline Torch

Tank is made of heavy gauge seamless brass—the bottom contains the filler plug and is funnel shaped for convenience in filling. Pump in handle construction. Capacity, 1 quart.

Price, \$5.00; postpaid, \$5.25



Tool Grinders



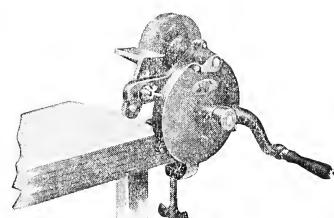
The Handy Andy is a Jim Dandy. It is the last word in low-priced grinder construction. Nothing cheap about it but the price. It is smooth running, extremely powerful for its size, and strongly built. Has 4x1 in. Corundum wheel.

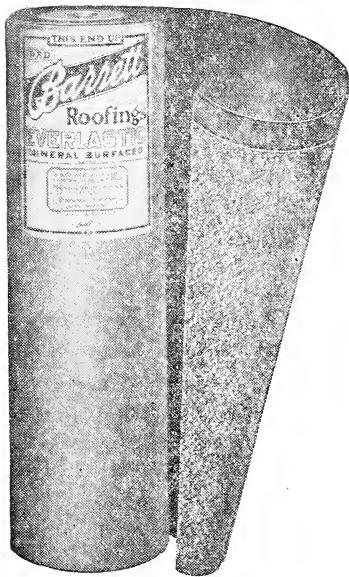
Price, \$2.25; postpaid, \$2.40

No. 7 Cheney

Mower Knife and Tool Grinder.

Price on application.





A "Good Roof" means a "Trouble-free" Roof

Here's a roofing you can put on a building—and then forget.

Rotproof and rustproof—Everlastic Mineral-Surfaced Roofing doesn't call on you for care or maintenance,—no painting, no staining, no upkeep of any kind.

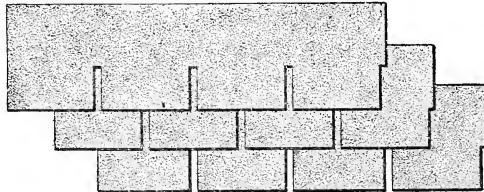
And it's fire-safe. If sparks or embers light on your roof, they sizzle out harmlessly. Moreover, Everlastic Mineral-Surfaced Roofing adds good looks to a building. It presents a surface of fadeless mineral in attractive colors—soft Red, moss Green, or shadowy Blue-Black.)

Note this special feature of real

value—the 2 inch "selvage." This furnishes an accurate guide in laying. It's a simple matter to distribute the cement evenly on this selvage—no cement streaks smearing up the roofing. Moreover, laps stay tight.

In brief, no better value on the market than this fine, time-proved roll roofing.

Smooth-Surfaced Roofings: Where this type of roofing is desired we recommend the Barrett Everlasting Brand, a roofing of heavy felt base thoroughly saturated with bitumen, that will give long years of satisfactory service.



A Barrett shingle roof makes any house easier to sell. Color in a roof also helps the sale value. Everlastic

Multi-Shingles, colorful and sturdy, are frequently used for re-roofing over old wooden shingles.



Not Just a Roof - A Lasting Protection

Any roofing will protect your house—for a while. But you want lasting protection. Protection against leaks—against heat in summer and cold in winter—against fire.

All this is assured in Barrett Everlastic Shingles. And in addition you get color—beautiful reds, greens, shadowy blue-blacks as well as variegated tones.

While Barrett has many styles of shingles, none is more popular than the sturdy Everlastic Multi (4-in-1) self-spacing strip shingle. It's now made in

36 in. width instead of 32 in., a real improvement. It takes 10% fewer strips per hundred square feet. There is a corresponding reduction in laying costs and the larger shingles look very handsome on the roof.

You can make no more satisfactory selection than to choose Everlastic Multi-Shingles. Sizes: 10 in. x 36 in. and 12½ in. x 36 in. and both attractively priced.

We will gladly send you an interesting roofing booklet.

We endorse
Barrett
Roofings

All Prices Subject to Change Without Notice

COLONIAL PAINTS—100 Per Cent. Pure

HOUSE PAINT SECTION



combined in the right proportions, the combination is ideal.

Is it necessary that the right proportions of these be used?

The proportions in which the necessary pigments—oxide of zinc and carbonate of lead are used, are important; when combined in incorrect proportions the paint will be far from satisfactory. It should be borne in mind that the mere fact that a paint contains white lead and zinc does not necessarily mean that the paint is good. The form in which the lead is used, and the correct proportions, are most essential.

Is Colonial Outside White a strictly pure paint?

Colonial Outside White is an absolutely pure paint, containing nothing but pure carbonate of lead, pure oxide of zinc, and pure linseed oil, with the necessary drier.

How are these materials put together?

These materials are intelligently and honestly handled so as to give the maximum paint value in each can and color.

What does our Mechanical and Technical Skill mean?

The Colonial Paints represent the best practical paint knowledge in the field today. It has been on the market for twenty-six years and is sold in practically every important field in the world. It enjoys as wide a sale as almost any other paint on the market. It has achieved its success because it has always given better results than can be obtained from other paints.

Is the consumer's interest best served in purchasing Colonial Prepared Paint?

The man who buys lead and oil and prepares it himself or who has a painter prepare it cannot possibly make a paint equal to the Colonial Paint.

It is a case of hard work against exact formulas and grinding with powerful machinery. It is taking chances on the quality of raw material against the certainty given us by our laboratories.

What other features make us best fitted to serve the public?

If it were not for prejudice no one would ever buy lead and oil when they could get the Colonial Paints with their superior quality. We use the finest grade of paint material and machinery of our own design, built in our own machine shops, and we are able to make a paint that has the greatest durability and therefore the greatest economy. Colonial Paint produces the finest finish and is the best paint made.

How may the proper amount of paint be estimated?

To ascertain the quantity of Colonial Paint required for two coats: Measure the distance around the building; multiply that by the average heights, which will give the square feet of siding; divide that by three hundred (the number of square feet the Colonial Paints cover, two coats to the gallon), which will give you approximately the number of gallons of Colonial Paint to buy for the body; then add one-eighth to one-fifth of this quantity, which will give you the amount for the cornice and other trimmings, waste, etc.

How is Colonial Paint successfully applied?

Colonial Paint is prepared ready for use, and is as heavy in consistency as is ever required. Under some circumstances it must be thinned before use, in accordance with the directions which appear on each package. Where possible employ a good painter.

What are other essentials in making a good job?

Stir the paint thoroughly from the bottom and pour it back and forth from six to ten times from one bucket to another, before attempting to use it. Success in painting depends upon the use of good materials properly mixed and stirred to a uniform consistency and carefully applied on a proper surface under favorable conditions.

What are conditions to be avoided in application?

The important thing is to know what to do and how to do it, and when not to do and how to avoid it.

Good results should never be expected when paint is applied under the following conditions: Over a surface which is wet and frosty. Over a surface which is covered with smoke and grease. Over green or pitchy lumber. Over a previous coat of paint which is not thoroughly dry.

Is a good first, or foundation coat of especial importance?

If cracking, peeling or scaling occurs on buildings painted with good prepared paints, it is in majority of cases traceable to the priming coat. The importance of a correct priming coat is not generally appreciated. It is the foundation, and if that is wrong, no paint can wear satisfactorily. Any thing is not good enough for priming; the very best is none too good; therefore use Colonial Paint thinned down with linseed oil and turpentine, to allow the pigment to enter the pores of the wood, giving it life and a solid foundation for successive coats.

Colonial Paints have qualities which distinguish them from other products now on the market. The brief questions and answers given below will tell you why "Colonial" Paints are better and worthy of your use and sale.

What was the material originally used in making paint?

Before paints were prepared and sold ready for use, the principal materials used in making paint were white lead and linseed oil.

Did these materials make an ideal paint?

These materials did not make an ideal paint. They were good as far as they went, but they did not go far enough. It has been found by many severe tests and much careful experimenting that better paint can be produced by combining zinc in right proportions with pure lead and linseed oil.

Why does this make an ideal paint?

The zinc counteracts the tendency of the lead to powder and chalk, greatly increasing the life of the paint. It also makes a whiter paint and when used with lead as a base for the various colored shades of paint it serves to make a combination that takes coloring matter readily.

What are other superior qualities of prepared paint?

The combination of zinc and lead enables the manufacturer to get the largest possible quantity of linseed oil into each gallon. This is very important, as pure linseed oil, more than any other ingredient, gives durability and life to the paint.

What do all good paints contain?

All good prepared paints contain zinc, lead and oil. Zinc is used in the form of oxide of zinc and lead as carbonate of lead.

Is it necessary to use these in combination or will lead and oil do as well?

Years of experimenting have demonstrated that carbonate of lead alone when used with zinc does not give the highest degree of efficiency, but, when

COLONIAL PAINTS

WHAT IS BRONZITE?

What is Bronzite?

Bronzite is a specialty green paint. It is not an ordinary ready-mixed green. It is one permanent intensified green.

What makes Bronzite permanent?

There are certain chemical reasons why green—the average green—is a notoriously poor color to hold. It is the disregard of these chemical facts in the making of ordinary greens that causes them to fade and disintegrate.

What is ore base?

It is KOLONITE—composed chiefly of iron, silica and carbon, when finely pulverized it has a durability and retaining power never before found for paint making.

What other materials are used in the manufacture of Bronzite?

With the highest quality of chemically-correct green and KOLONITE we use strictly pure linseed oil, and by means of a special process remove all impurities detrimental to long life in paint.

What additional factors figure in Bronzite's superiority?

We have the advantage of twenty-five years' experience in developing Bronzite to its present high standard. The quarter century that Bronzite has been on the market is long enough to make or break any product. The fact that Bronzite is the leading green paint, is a big consideration to distributors and dealers who know how vitally manufacturing experience and leadership contribute to the successful selling of a paint specialty. Today Bronzite is better than ever.

Why does Bronzite cover more surface than the average green?

The density of the ore base and the pigment gives a heavy body that literally causes Bronzite to "stretch out"

farther than that of an ordinary paint. This is a fact. Painters who use Bronzite for the first time often remark that a brush full goes farther than any green paint they have ever before used.

Is Bronzite equally good as an outside and inside paint?

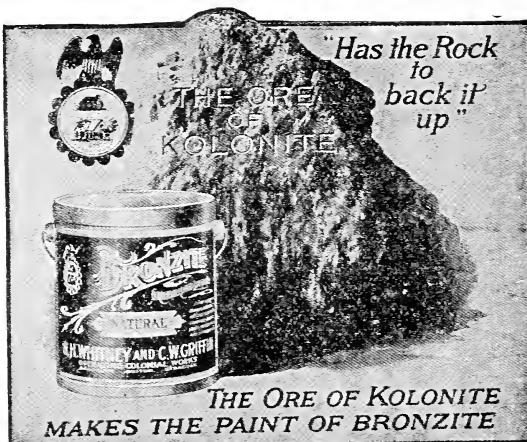
Decidedly it is, because of its resistance to weather conditions Bronzite is ideal for exterior uses. As Bronzite is the best outside green it naturally follows that it must be the best inside green, inside conditions being much less severe than outside.

In what size packages is Bronzite put up?

Liquid Bronzite—in 1-gallon, $\frac{1}{2}$ -gallon, $\frac{1}{4}$ -gallon, 1-pint, $\frac{1}{2}$ -pint tin packages, in 5-gallon packages, and in barrels.

How can the painter or other user prove Bronzite claims before he buys?

Any painter or other user interested in a superior permanent green paint can obtain a liberal-sized working sample through one of our dealers. These testing samples have sold many thousands of gallons of Bronzite during the twenty-five years it has been on the market.



What are some of the principal uses inside and out?

Woodwork, floors, furniture, matting, window shades, screens, walls, suggest a few of the many interior home uses of Bronzite.

What about Bronzite as an outside mill and factory paint?

Bronzite is extensively used on the outside of all kinds of mill and factory buildings—wood, brick, concrete, metal siding, wood and enamel, window frames, wire screens, gratings, water tanks, fences, all kinds of roofs, etc. It would be difficult to find a better exterior preservative paint than Bronzite.

What about Bronzite as an inside mill and factory paint?

It is used for dadoes, column bases, trim walls, machinery and wide variety of other interior mill uses.

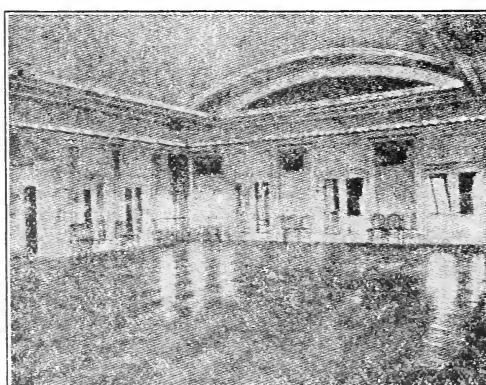
FLOOR AND DECK ENAMEL

FLOOR AND DECK ENAMEL is the result of a scientific investigation as to the best materials, and the proper manner of combining them, in order to produce a desired result, viz: An enamel that will dry quickly, be firm, and successfully withstand to the greatest possible degree the hard usage to which floors and like surfaces are necessarily subjected.

FLOOR AND DECK ENAMEL is manufactured with the express aim of furnishing a durable and handsome coating for all floors. It dries with a beautiful lustre, is elastic, very tough and absolutely free from the stickiness found in ordinary enamel. While it has the qualities necessary for the best floor coating, it may also be applied with satisfaction to any surface exposed to the weather where the shades in which it is made suit the taste, and where a beautiful finish is desired. The combination of materials composing FLOOR AND DECK ENAMEL make it a valuable disinfectant.

Floors will not keep in good condition if neglected or abused. Finish your floors well in the first instance. A stingy economy in such cases is unwise. Then keep them in good shape by a little attention and work.

If properly done at first, the subsequent care of them is much easier and the satisfaction immense.



COLONIAL PAINTS

WHAT IS VEL-VE-TA?



A short catechism for all Distributors, Dealers, Master Painters, Building Contractors, Architects, Owners, and all others who are

looking for more light on the sanitary wall finish question.

A ready-reference text for the many questions arising on the subject.

What is Vel-ve-ta?

Vel-ve-ta is a sanitary washable non-absorbent coating for walls and general interior painting—new work and old.

There are dozens of flat wall finishes. Why **Vel-ve-ta**?

Because of the materials from which **Vel-ve-ta** is made and the manner in which these materials are combined. **Vel-ve-ta's** peculiar method of manufacture and the composition of its elements are patented. It is a distinctive product.

What are some of the characteristics of **Vel-ve-ta** materials and the process of manufacture?

Under the microscope, **Vel-ve-ta** shows an even, homogeneous surface, without spaces between the molecules. The irregular particles of the soluble content are brought together into perfect cohesion with one another through the medium of a binder. This provides an air-tight film of protective covering through which dampness cannot penetrate.

A wall finish may be of a very fair degree of whiteness, but this may not be permanent. Also many times tints are not lasting. Does **Vel-ve-ta** stay white and do the tints last?

Vel-ve-ta white stays white; its whiteness is inherent; it does not discolor when not exposed to weather. Also the colors and tints are lasting.

Some wall finishes show laps and brush marks. Will **Vel-ve-ta** do this?

Vel-ve-ta should be flowed on and evened up like a varnish. It will not show laps or brush marks.

Will **Vel-ve-ta** crack or "alligator?"

Absolutely no. Neither will it peel nor chip.

In what form does **Vel-ve-ta** come?

Flat and Enamel.

In what tints?

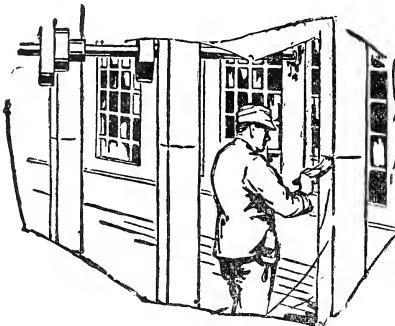
In thirteen tints and white. These tints can be greatly multiplied.

What about cost?

Figure the cost of a wall-finishing job, not by the price of the material, but according to the amount of surface the material will probably cover. **Vel-ve-ta's** increased covering capacity—due to the superior materials used, fine grinding and perfect amalgamation—gives the lowest possible cost in actual results.

What about its application to different surfaces—new and old?

It is equally good for new and old surfaces—for any surface: painted, kalsomined, sand-finished and plastered walls; painted and unpainted woodwork; painted and new metal surfaces; decorative plaster figures; concrete; inlaid work; interior marine work; burlap, tapestry, shade cloth, etc. Any surface and material not exposed to weather can be improved and decorated with **Vel-ve-ta**. It can actually be applied over old wall paper.



When can it be used for one-coat work?

For walls, in any tint or color, **Vel-ve-ta** makes a most beautiful, clear, even finish without stippling, laps or brush marks. In fact, **Vel-ve-ta** has many uses heretofore undreamed of as being possible with one-coat of anything except kalsomine. We especially recommend it for one-coat work.

When should **Vel-ve-ta** be used for two-coat work?

Metal ceilings with one coat Flat White and one-coat Gloss make a beautiful enamel finish with but two coats. In colored, one coat only need be used.

What about woodwork?

Woodwork of any grain or color can be covered with one-coat colored for a satisfactory job. A very fine job is the result of one-coat **Vel-ve-ta** Flat and one-coat White Eagle Enamel, making a white job that can actually be rubbed with rotten stone and water.

Some "washable" finishes won't wash. Will **Vel-ve-ta**?

The homogeneous nature of **Vel-ve-ta** makes a paint film that is water-

proof. Wash it as often as necessary without injury to the surface. A very desirable feature where soft coal is used.

How does **Vel-ve-ta** compare with the old fashioned lead and turpentine?

There is no comparison from the standpoint of results. **Vel-ve-ta** is infinitely better. From the standpoint of cost, it costs only half as much, because it covers twice as much surface by actual tests. Its first cost is but little more than that of kalsomine. Over a five-year period, **Vel-ve-ta** is much cheaper than kalsomine. It can always be renewed over the old coat. It does not require washing off. Also—it can always be cleaned with soap and water; kalsomine cannot be.

Discriminating painters and decorators obtain beautiful results by using **Vel-ve-ta** white and tints in the finest residential work. Architects, painters, contractors and owners alike are well pleased with **Vel-ve-ta** for this purpose. They are equally well pleased with it for the "big" office building, "institutional" and other jobs. Its great economy makes it the ideal wall finish for "big" work. Incidentally, for this reason, many dealers and painters are going after "big volume" business with **Vel-ve-ta** and getting it.

Vel-ve-ta Enamel.

A Handsome Pure White Enamel Finish. Holds its lustre indefinitely and easy to apply. Also in tints and colors.



International Elastic Carbon
Paint

A practical, scientific blending and grinding of oils and pigments making a paint of enduring elasticity, for shingle, felt, canvas, paper, asphalt, tin and iron roofs, bridges, machinery, tanks, iron or steel buildings, smoke stacks, boilers, burners, brick, tile, concrete, farming tools, wagons, also the hulls and bottoms of vessels and boats.

STOPS *the* LEAKS



IN ALL ROOFS

STORMTIGHT is an adhesive compound, ten times thicker than paint. It does not dry out nor become hard and brittle. Under the slow curing process that it undergoes, the top surface becomes firm but the body of the material underneath remains pliable and elastic, so that it readily conforms to the expansion and contraction of the roof surfaces. It retains its rubber-like consistency indefinitely under all weather conditions.

Stormtight is the result of years of scientific research. Hundreds of exposure tests were made on every kind of roofing material, under varied weather conditions. These tests were closely watched. One by one the harmful ingredients were rejected, the wrong combinations eliminated, until the present formula was arrived at, which gives you a roofing product with the following ideal characteristics:

A one-piece covering without joints or nail holes.

Impervious to rain, snow, wind and sun.

Unaffected by gaseous vapors, acids or alkalies.

Will not harden, crack or peel.

Highly fire resistant.

Low in cost.

Stormtight can be applied in any weather, by anybody. It sticks to any kind of roofing material; no matter whether the roof is wet or dry, hot or cold, you can stop a leak a few minutes after you discover it. Stormtight is a scientific blend of oils, special waterproofers, reinforcing pigments and asphalt, based on years of investigation and practical tests.

STORMTIGHT—LIQUID

	BLACK	MAROON	RED & GREEN
Drums — 64 gallons.....	\$1.50 per gallon	\$2.00 per gallon	\$3.00 per gallon
Drums — 38 gallons.....	1.60 per gallon	2.10 per gallon	3.10 per gallon
Drums — 10 gallons.....	1.80 per gallon	2.30 per gallon	3.30 per gallon
Cans — 5 gallons (2 per case).....	1.90 per gallon	2.40 per gallon	3.40 per gallon
Cans — 1 gallon (6 per case).....	2.00 per gallon	2.50 per gallon	3.50 per gallon

STORMTIGHT—PLASTIC

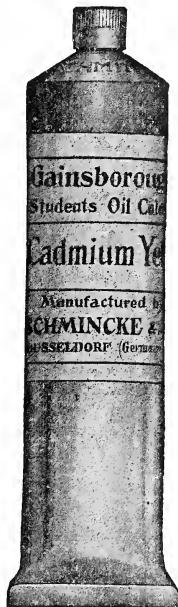
Drums — 600 pounds.....	15c per pound	20c per pound	30c per pound
Drums — 375 pounds.....	16c per pound	21c per pound	31c per pound
Drums — 100 pounds.....	18c per pound	23c per pound	33c per pound
Buckets — 50 pounds.....	19c per pound	24c per pound	34c per pound
Buckets — 25 pounds.....	20c per pound	25c per pound	35c per pound
Cans — 10 pounds (6 to case).....	21c per pound	26c per pound	36c per pound
Cans — 5 pounds (12 to case).....	22c per pound	27c per pound	37c per pound
Cans — 1 pound (24 to case).....	25c per pound	30c per pound	40c per pound

THE GAINSBOROUGH—ART STUDENT'S OIL COLORS

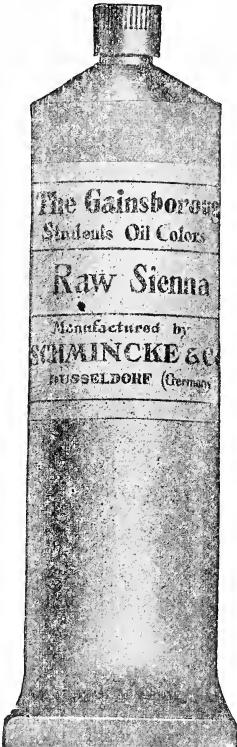
PERMANENCY KEY: A valuable Guide for the Artist



Tube Size VII
¾" x 4"



Tube Size VI
¾" x 3"



Tube Size IX
1" x 4"

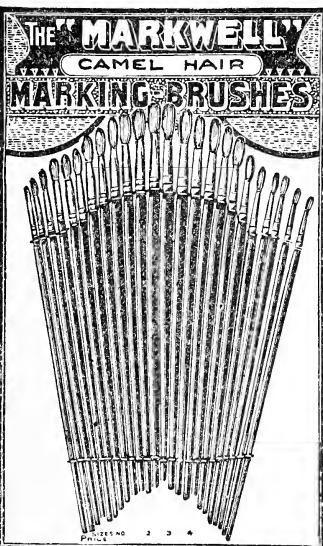
***Absolute Permanency.
**Sufficient Permanency.
*Moderate Permanency.
oNot Sunproof.

Gainsborough
Students Oil Color
Ultramarine
Manufactured by
SCHMINCKE & CO.
DUISBURG (Germany)

Gainsborough
Students Oil Color
Cadmium Yellow
Manufactured by
SCHMINCKE & CO.
DUISBURG (Germany)

The Gainsborough
Students Oil Colors
Raw Sienna
Manufactured by
SCHMINCKE & CO.
DUISBURG (Germany)

These Colors are highly recommended for Sketching,
Decorating and Mural Painting, also Commercial Poster
Work. Especially adapted for Tinting of Paints.



Markwell Camel Hair

Camel Hair Marking Brushes
on tin ferrules, long polished
handles.

2 Dozen assorted sizes 1 to 4.

All Prices Subject to Change Without Notice

Series A. Tubes Size IX

1" x 4"

Price, \$.20 Each

Perman-	ency	Name of Color
600	**	Asphaltum
620	***	Burnt Ochre, Light
624	**	Burnt Sienna
630	***	Burnt Umber
651	***	Dark Ochre
678	***	English Red, Light
689	***	English Red, Deep
619	***	Gold Ochre
612	***	Ivory Black
616	***	Lamp Black
623	**	Raw Sienna
627	***	Raw Umber
656	***	Terra Pozzuoli
618	***	Yellow Ochre, Light

Series B. Tubes Size VII

¾" x 4"

Price, \$.20 Each

664	*	Chrome Green, Light
665	*	Chrome Green, Deep
693	*	Chrome Yellow, Light
608	*	Chrome Yellow, Deep
622	**	Emerald Green
687	o	Indian Yellow
631	**	Van Dyke Brown
645	**	Zinc Yellow
672	**	Prussian Blue

Series C. Tubes Size VI

¾" x 3"

Price, \$.30 Each

658	***	Cadmium Yellow, Deep
644	**	Madder Lake, Light (Rose)
663	**	Madder Lake, Medium
640	**	Madder Lake, Deep
652	**	Vermilion, Light, Imit.
654	***	Vert Emeraude

WHITES

Tubes Size VII

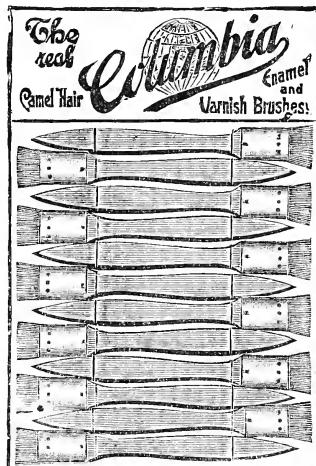
Price, \$.20 Each

611	**	Chremnitz White
635	***	Zinc White



Perfect

Oval Camel Hair Lacquering or
Bronzing Brushes, on tin ferrules,
green, polished handles.
1 Dozen size 5/8" wide.

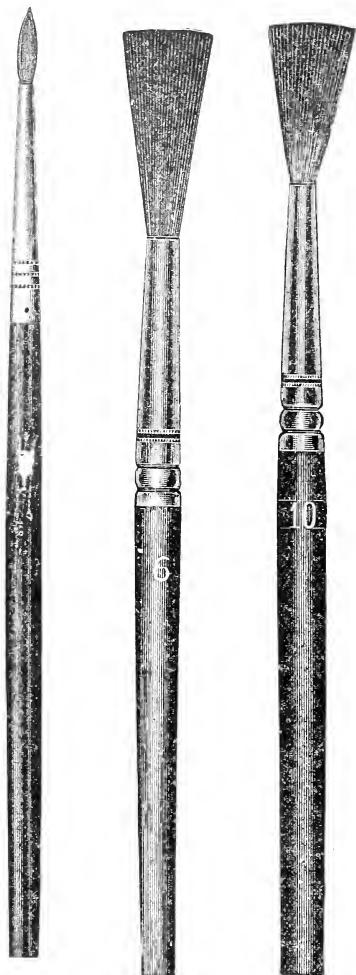


Columbia

Camel Hair Lacquering or Varnish
Brushes, on tin ferrules, flat white
handles. 1 Dozen size 1" wide.

BRUSHES for the PAINTER

"The Brush As Important
As The Paint"



No. 0812 No. 2355X No. 9457X

No. 0812
Red Sable Water
Color Brush

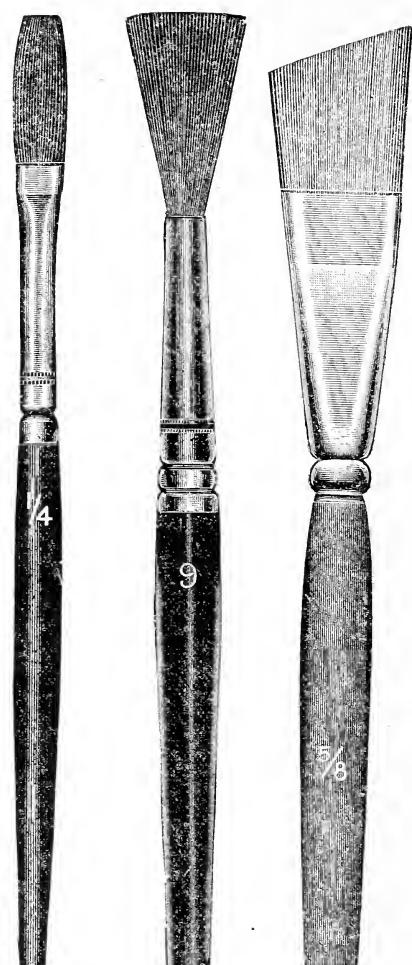
No. 2355X Red
Sable Lettering Brush

No. 9457X Red
Sable Rigger

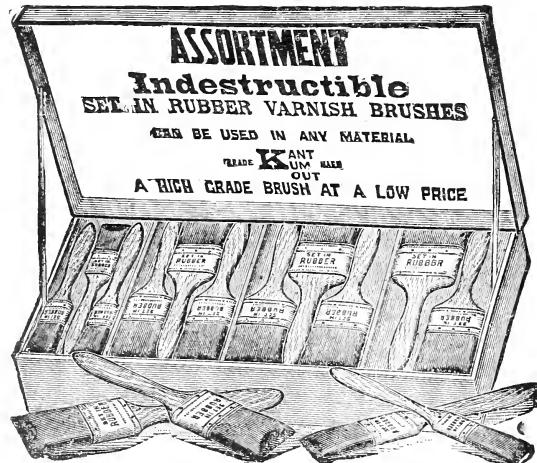
No. 6658 Ox Hair
Stroke Brush

No. 9355X Red
Sable Show Card Brush

No. 6361 Bristle Angular Liner
All Sizes



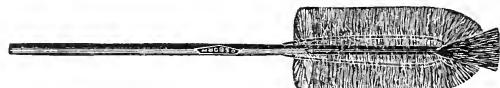
No. 6658 No. 9355X No. 6361



We can furnish assortments for the dealer, comprising several grades in Varnish, Auto Finishing and Wall Brushes. Sizes from one dozen to five dozen. Your inquiry will receive our prompt attention.

All Prices Subject to Market Changes

No. 810 Milk Tube Brush. Price, .10; Postpaid, .13



No. 61. Milk Bottle Brush. Price, .45; Postpaid, .52

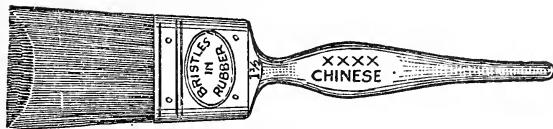


No. 82. Milk Bottle Brush. Price, .50; Postpaid, .57

PAINT AND VARNISH BRUSHES

Flat Varnish Brushes

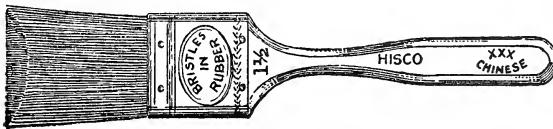
Bristles set in hard rubber



XXXX Chinese

Selected Chinese bristles, chiseled edge, long and full, very elastic. Bristles vulcanized in hard rubber.

Width	1	1½	2	2½	3
Length of stock	2	2¾	2½	3	3½
Price, each	\$.30	\$.45	\$.60	\$.80	\$ 1.10



Bristles set in hard rubber

XXX Chinese

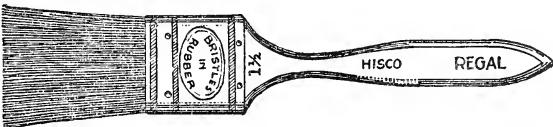
Black Chinese bristles, chiseled edge. For enameling and staining. Bristles set in hard rubber.

Width	1	1½	2	2½	3
Length of stock	1¾	2⅓	2¾	2½	2¾
Price, each	\$.25	\$.35	\$.45	\$.55	\$.75

XX Chinese

For home varnishing. Bristles set in hard rubber.

Width	1	1½	2	2½	3
Length of stock	1¾	1⅔	2⅓	2½	2¾
Price, each	\$.20	\$.30	\$.35	\$.45	



Regal

Black bristles. A good all around varnish brush. Bristles set in rubber.

Width	1	1½	2	2½	3
Length of stock	1¾	1⅔	2	2¼	2¾
Price, each	\$.15	\$.20	\$.25	\$.35	\$.40

Holdfast

Black bristles. Stained handle. Bristles set in rubber.

Width	1	1½	2	2½	3
Length of stock	1	1½	2	2½	3
Price, each	\$.10	\$.15	\$.20	\$.30	



Bristles set in hard rubber.

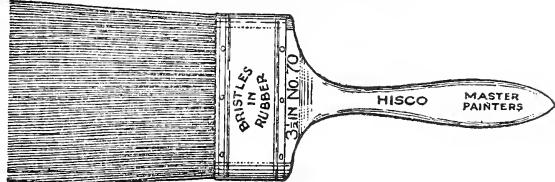
Auto

Mixed gray bristles. Unfinished handle.

Width	1	1½	2	2½	3
Length of stock	1	1½	2	2½	3
Price, each	\$.30	\$.40	\$.55	\$.75	

All Prices Subject to Change Without Notice

Bristle Paint Brushes Set in Rubber



Master Painters' Wall

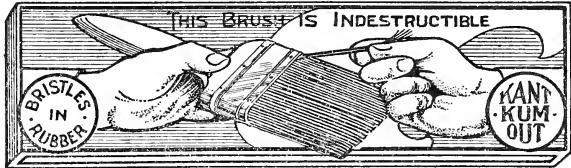
Best quality black bristles, extra long stock. A superior brush for the professional painter. Nickel bound. Bristles set in rubber.

Width	3	3½	4	4½
Length of bristle	3¾	4	4¼	4¾
Price, each	\$ 1.40	\$ 1.95	\$ 2.75	\$ 3.15

Majestic Wall

A black bristle brush about equal to our Master Painters' except with a trifle shorter stock. Bristles set in rubber.

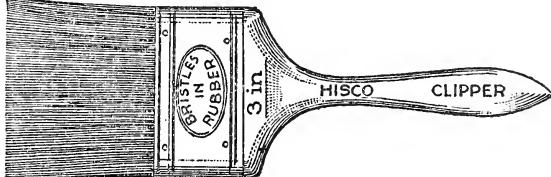
Width	3	3½	4	4½
Length of bristle	3¼	3½	3¾	3¾
Price, each	\$.85	\$ 1.20	\$ 1.50	\$ 2.20



TRIUMPH WALL INDIVIDUAL CARTONS

A superior black bristle brush, nickel bound with dark red handle. Bristles set in rubber. Five sizes.

Width	2½	3	3½	4	4½
Length of bristle	2¾	2¾	3	3¼	3½
Price, each	\$.50	\$.60	\$.75	\$ 1.10	\$ 1.50



Clipper Wall

Good all purpose paint brush. Black bristles set in rubber.

Width	2½	3	3½	4
Length of bristle	2¾	2¾	2½	2¾
Price, each	\$.40	\$.50	\$.60	\$.70

Raven Wall

Black bristle, low priced paint brush. Bristles in rubber.

Width	2½	3	3½	4
Length of bristle	2¼	2¾	2½	2½
Price, each	\$.30	\$.35	\$.40	\$.50

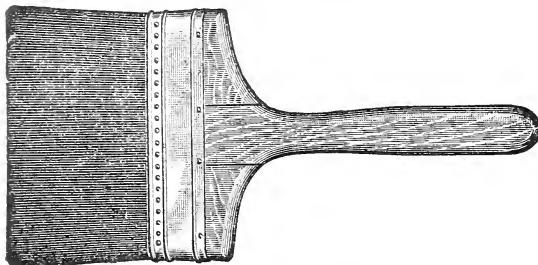
Maine Wall

Black bristle set in rubber.

Width	6
Length of bristle	3¼
Price, each	\$ 1.25

BRUSHES

Kalsomine Brushes

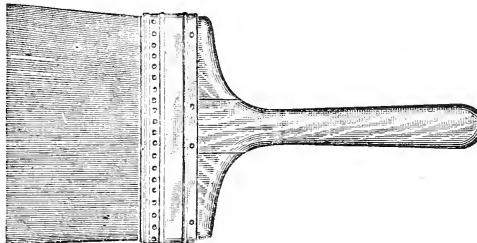


Gray Extra Extra

Gray mixed bristle. Unfinished handle. Galvanized ferrule. Our best grade. Width 7 Length of bristle 5 $\frac{1}{4}$. Price, each \$8.60

Korea

Black bristle. Dark red polished handle. Nickel bound. Width 7 Length of bristle 5
Price, each \$6.15



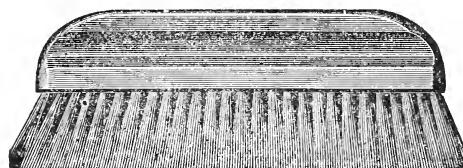
Trojan

Black bristle. Natural finished handle. Nickel bound. Width 7 Length of bristle 4 $\frac{3}{8}$ Price, each \$3.60

Mongol

Black bristle. Natural finished handle. Nickel bound. Width 6 Length of bristle 3 $\frac{1}{4}$ Price, each \$1.35

Paper Hangers' Smoothers

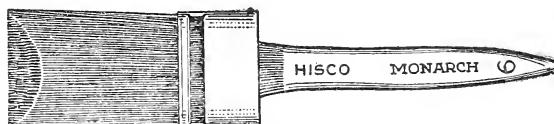


Paris

Bristle, wire fastened. Length 10 12
Price, each \$1.90 \$2.30

Dandy

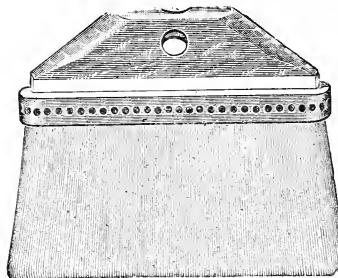
Grass fibre stock. Length 10 Price, each \$.35



Monarch Oval Paint with Bridle

A superior brush, long stock, black bristle. Three sizes. Size 6 7 8 10
Price, each \$1.75 \$2.65 \$3.10 \$3.70

Whitewash Brushes



Special Smith's

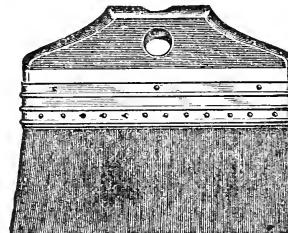
Hand made. Leather bound.
Size 5/0 Length of bristle 5
Width 8 $\frac{1}{2}$ Price \$8.90

Gray Russia

Leather bound. Unfinished head.
Size 4/0 Length of bristle 5
Width 8 $\frac{1}{2}$ Price \$9.60

Cambridge

Black bristle. Leather bound.
Size 3/0 Length of bristle 4 $\frac{1}{8}$
Width 8 $\frac{1}{2}$ Price \$5.50



BB Typhoon

Black bristle. Metal bound. Size, 3/0. Length of bristle, 4. Width, 8. Price \$3.25

Malden

Black bristle. Metal bound
Width 6 7 8
Length of bristle 3 3 3
Price, each \$.80 \$1.00 \$1.35

Pride

Grass fibre stock. A low priced brush for paste.
Width 6 7
Length of bristle 2 $\frac{1}{4}$ 2 $\frac{5}{8}$
Price, each \$.40 \$.50

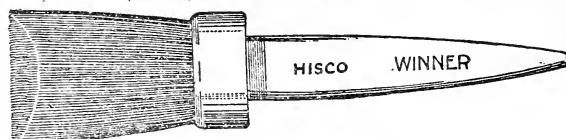
Good quality Chinese bristles set in rubber.

Sash Tools



Creole Sash

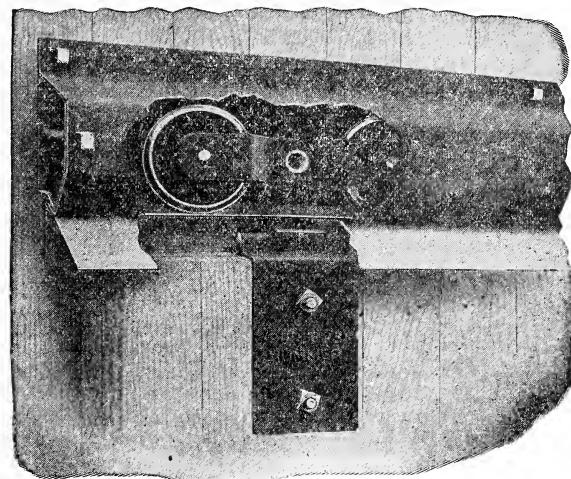
Number 1 2 3 4 5 6 7 8
Price, each \$.15 \$.15 \$.20 \$.25 \$.30 \$.30 \$.35 \$.40



Winner Oval Varnish

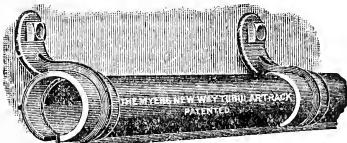
Width about 2 $\frac{3}{4}$ in. Price, .35

BARN DOOR HANGERS

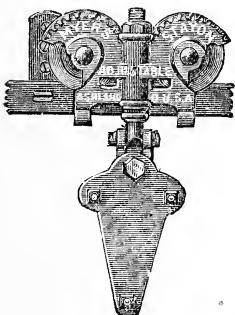


No. 21. Hummer Adjustable Hanger. Per Set.....\$1.80
Hummer Steel Track. Per Foot..... .27
6, 8 and 10 foot lengths.

Myers Giant Adjustable Tandem Door Hanger
For Tubular Girder Track
Adjustable to and from Building
and to Raise and Lower
the Door



No. 15. Giant Tubular Hanger.....\$2.70 per pair.
Giant Tubular Track..... .32 per foot.
Intermediate Brackets..... .20 each.
End Brackets..... .20 each.



The Myers Adjustable Tandem Stayon Flexible Door Hanger with Steel Roller Bearings

This hanger can be adjusted perpendicularly so as to locate the door at any point above the ground desired. Also to adjust the door to or from the building.

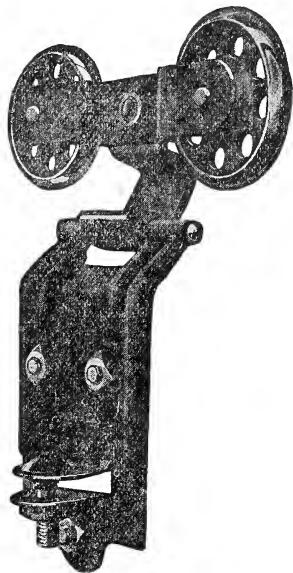
No. 3. Price\$2.25 per pair
Flat Steel Track09 per foot
4, 6 and 8 foot lengths.



JOINT

Fig. 860

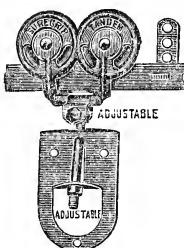
All Prices Subject to Change Without Notice



Porter's Hummer Tandem Adjustable Barn Door Hangers

Wheels are $2\frac{3}{4}$ inches in diameter, made of superior gray iron and run on roller bearings. This hanger has a vertical adjustment of $\frac{3}{4}$ inch.

Hummer one-piece track is made of No. 14 gauge high carbon steel, is water-proof, bird-proof, storm-proof and self-cleaning.

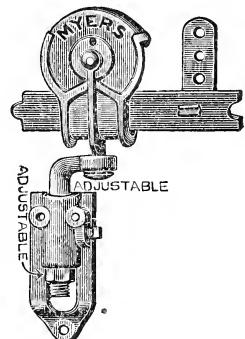


Myers Sure Grip Tandem

Adjustable Door Hanger

The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user. Runs on same style track as the number 3 and 25 Hangers.

No. 5. Sure Grip Hanger. Per Set,\$2.00



Myers Right Angle Garage Door Hanger

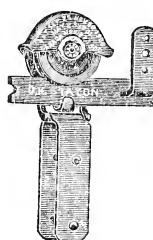
Rolls around the corner.

Used with $1\frac{1}{4}$ in. flat steel track for inside sliding doors on any building.

Storm and weather proof.

No. 26. Adjustable Garage Door Hanger, complete with bolts.

Price per set of three \$3.00



Myers "O K Stayon" Flexible Covered Door Hanger

No. 1 "O K Stayon" Door Hanger complete with bolts.

Price per pair, \$1.40

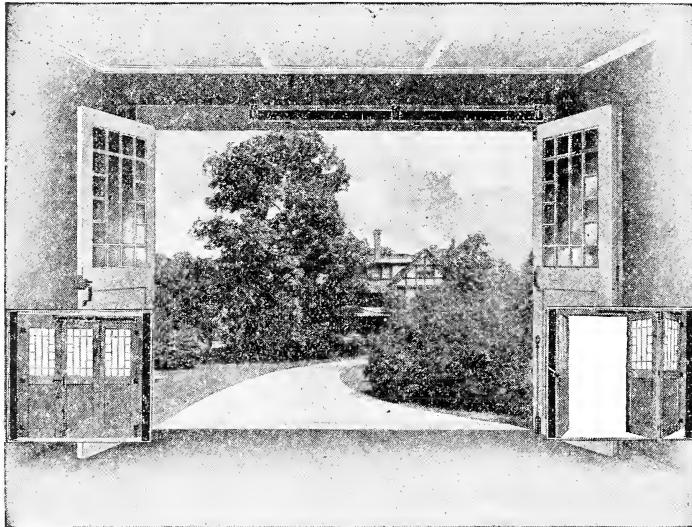
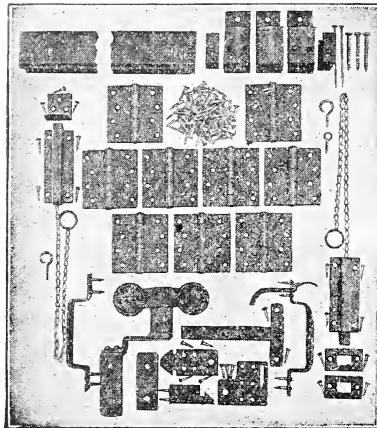
Straight-Away Garage Door Hanger

A Practical Outfit

"Straight-Away" is easily and quickly installed. It is made to fit standard doors. In the carton all parts and screws are **separately packed and marked where they are to go**. No possibility of making a mistake. You, yourself, can install it in an incredibly short time.

Its **straight** track does away with extra labor and extra cost where a support-

ing arm is required. And it permits of saving of space, because the doors are **Folding-Sliding**. The **Offset-Swivel**—an exclusive Porter feature—insures a perfect fit of doors against jamb and weather-strip. No possible chance for a "Straight-Away" outfit to sag, spring or bind. Slotted holes in the hanger plate make it easily and quickly adjustable to unevenness in floor, etc.



Climax Ball-Bearing Grindstone

A well and substantially built machine equipped with both hand crank and treadle. Frame is a combination of wood and steel — finished in Japan and red paint. Runs "true" and easy, for journals are fitted with Ball-Bearings.

Furnished with carefully selected Berea grit stone — from 2 to $2\frac{1}{4}$ inches thick.

Climax Ball-Bearing.

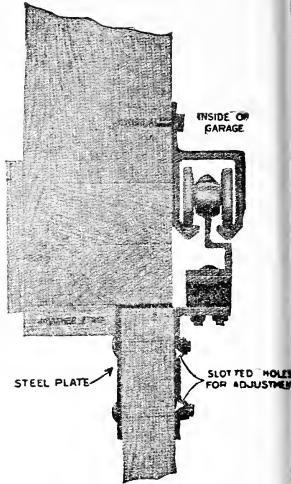
Large stone.....\$10.25

Climax Ball-Bearing.

Medium stone.....\$9.50

Cycle Ball-Bearing.

Medium stone \$9.85



What the Set Includes

The "Straight-Away" Garage Door set contains everything necessary for you to immediately install it. Note that no brace timbers are required, as the track is **straight** throughout its length.

The set is designed primarily for standard doors, 2 ft. 8 in. x 8 ft., these filling the regular width opening of eight feet.

Price, complete with all fittings as illustrated above, including 8 feet double V track.....\$7.50

FAIRBANKS PORTABLE PLATFORM SCALE

Single Beam with
Wheels

Beams graduated
50 lbs., by $\frac{1}{4}$ lbs.

It is absolutely accurate and durable.

The "Fairbanks" scale is made to comply with the laws on weights and measures of all States of the Union.

500 Lbs. Capacity.
Platform 16x25.

Price, \$21.00

1,000 Lbs. Capacity.
Platform 17x26.

Price, \$23.50



HAY CARRIERS

The Myers O. K. Hay Unloader

For Rope or Cable Draft

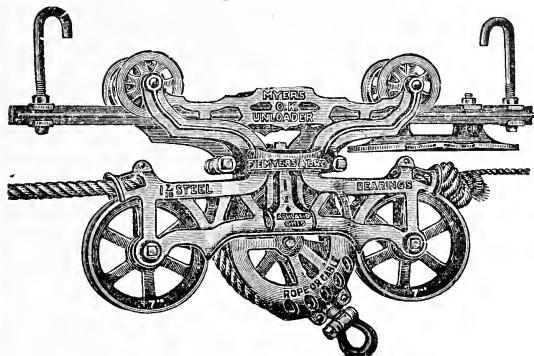


Fig. 1652

Reversible and Swivel

The Myers O. K. Unloader with extra long truck and seven-inch sheaves for cable draft rope is especially designed for heavy work. The long truck distributes the load on the track and adapts the car for using two forks or slings.

The bearings on all rope sheaves are 1 7-16th diameter, hard turned steel.

Price List, Represented by Fig. 1652

No. 209. Myers O. K. Unloader for Double Steel Track, 7-inch sheaves.
Net Price, \$12.50

No. 200. Myers O. K. Unloader for Double Steel Track, rope draft, small sheaves, otherwise same as No. 209.
Net Price, \$10.25

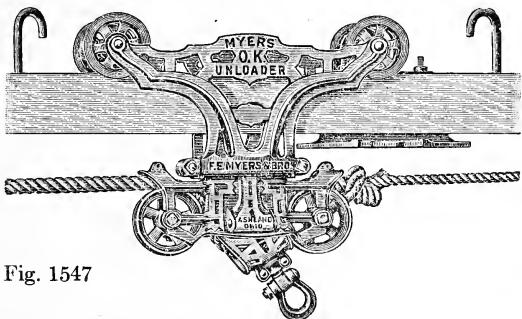


Fig. 1547

The Myers O. K. Unloader is our latest and best production. Has extra long and heavy truck, distributing the load on track and designed for heavy work.

Price List, Represented by Fig. 1547

No. 205. Myers O. K. Unloader for wood track, rope draft.
Net Price, \$10.25

No. 212. Myers O. K. Unloader for wood track, rope draft. Same as No. 205 and in addition has 7-inch rope sheaves.
Net Price, \$12.50

HAY CARRIER OUTFITS

SPECIAL NOTICE: When requesting quotations do not fail to give exact length of barn, whether ridge or full rafter, and distance between rafters. Also state whether you expect to hoist from end or center of barn.

Estimates for Hay Carrier Outfits

Estimate of material required for a Steel Track Outfit for different barns:

For a 40-foot barn, One Carrier, 36 ft. Track, 12 Hanger Hooks, 12 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 140 ft. $\frac{3}{4}$ -inch Manila Rope, 55 feet $\frac{3}{8}$ -inch Check Rope, 1 Rope Hitch.

For a 50-foot barn, One Carrier, 48 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 160 ft. $\frac{3}{4}$ -in. Manila Rope, 60 ft. $\frac{3}{8}$ -in. Check Rope, 1 Rope Hitch.

For a 60-foot barn, One Carrier, 54 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 185 ft. $\frac{3}{4}$ -in. Manila Rope, 65 ft. $\frac{3}{8}$ -in. Check Rope, 1 Rope Hitch.

Above estimates of Rope are for an End Hoist. In hoisting from center of barn, less Rope will be necessary.

Approximate Size, Weight and Feet per Pound of MANILA ROPE

SIZE Circum. Inches	Diam. Inches	Weight of Full Coils	Weight of Half Coils	Feet Per Pound	Strain in Pounds
					ft.
6 (thd.)	$\frac{1}{4}$	22	11	55	625
9 (thd.)	$\frac{5}{16}$	29	15	40	1,000
12 (thd.)	$\frac{3}{8}$	50	25	24	1,270
$1\frac{1}{4}$	$\frac{7}{16}$	65	32	18	2,100
$1\frac{1}{2}$	$\frac{1}{2}$	90	45	13	2,400
$1\frac{3}{4}$	$\frac{9}{16}$	125	63	10	3,300
2	$\frac{5}{8}$	160	90	8	4,000
$2\frac{1}{4}$	$\frac{3}{4}$	195	110	6	4,700
$2\frac{1}{2}$	$\frac{11}{16}$	235	130	5	5,600
$2\frac{3}{4}$	$\frac{7}{8}$	270	165	$4\frac{1}{2}$	6,500
3	1	325	195	$3\frac{1}{2}$	7,500
$3\frac{3}{4}$	$1\frac{1}{4}$	500	300	2 " 4 in.	12,500



Dustbane

The very best of all sweeping compounds on the market. No sand to increase its weight. It is a perfect Dust Killer. Every Store-keeper as well as every housewife should have a sup-

ply on hand and use it at every sweeping. A handful at a time when you sweep absorbs the dust, brightens the floor and cleans your carpet.

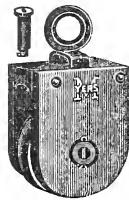
Prices: Large can, .40; 50-lb. can, \$2.75; 100-lb. barrel, \$4.65; 200-lb. barrel, \$8.50.

All Prices Subject to Change Without Notice

PULLEYS



No. 2259



No. 466



No. 1124



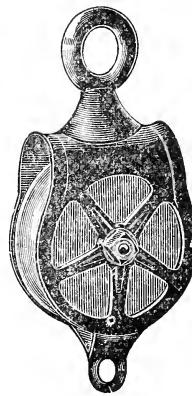
No. 1120



No. 1133



No. 692

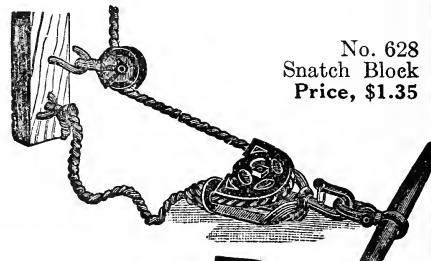


No. 486



No. 1701

No. 1133.	Plain Pulley, 6-inch maple sheave, malleable frame.....	\$0.65
No. 692.	Cast Frame, 5 1/2-inch iron sheaves.....	.55
No. 486.	Floor Pulley with large loose pin.....	.70
No. 1120.	Malleable frame knot passing, 6-inch maple sheave, 1-inch axle.....	.70
No. 1701.	Malleable Pulley. Malleable frame and sheave, steel axle, roller bearing.....	1.65
No. 466.	O. K. wood pulley with steel yoke, 1-inch hollow axle.....	.70
No. 1124.	Special Malleable Frame, extra heavy.....	1.25
No. 2259.	Malleable Frame and 7 inch sheave.....	2.00



No. 628
Snatch Block
Price, \$1.35



Myers Patent Double Steel Track
Price per foot..... \$0.25



Grapple Fork

4 tined.....	\$10.50
6 tined.....	12.00



Double Harpoon Hay Fork

Price, each	
25 inch.....	\$2.50
31 inch.....	2.75
Alfalfa.....	5.50

Wood Track Hanger Hooks

Each
\$0.13
.14
.15
.16
.18



Jointed Hanger Hooks

12 inch.....	Price, each \$0.25
5/8 inch.....	Price, each \$0.15

All Prices Subject to Change Without Notice

Steel Track Hanger Hooks
Price, each..... \$0.18

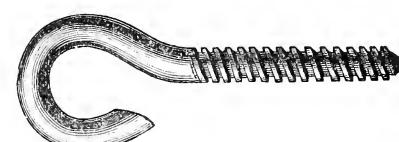
Jointed Steel Track Hanger Hooks
Price, each, \$0.25
Knockers, Stops, Wheels and complete line of Repairs
for Myers Clover Leaf Unloaders.



Rafter Brackets
Price, each..... \$0.06



Swivel Rope Hitch
Each..... \$0.40



Floor Hooks
5/4-inch..... \$0.18

Drive Screws
Per gross..... \$1.00

Myers Line of Pumps

We carry the most complete line of Pumps in this section. We have it whether you want it for house, barn or orchard. House pumps, well pumps, for all conditions. Electric Water Systems for Homes, Farms, Country Estates, Public and Private Institutions, including spraying pumps and pumps for pneumatic water systems, whether hand or power. If it's a Myers it is right.

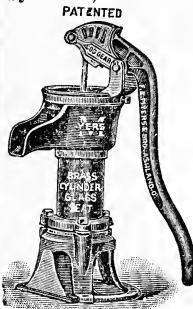


Fig. 1665

No. R 253. Fig. 1663. Force pump, 3 inch brass cylinder, tapped for 1 1/4 inch suction pipe. Net Price \$9.00

Cock Spout as on Fig. 1895 on either of the above pumps. Add to Net Price..... \$1.00



Fig. 1675

The Myers Brass Cylinder Pitcher Pump

No. R 220. Fig. 1665. 3 inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1 1/4 inch suction pipe..... Net Price, \$6.25

The Myers Cog Gear Pitcher Pump Fitted with Brass Valve Seat

No. R 416. Fig. 1675. 3 inch polished iron cylinder, tapped for 1 1/4 inch suction pipe..... Net Price, \$4.25

No. 416. Same as No. R 416 except it does not have the cog gear handle. Net Price, \$4.00

The Myers Cog Gear House Force Pump with Siphon Spout and Glass Valve Seat

No. R 251. Fig. 1663. Force pump, 3 inch brass cylinder, tapped for 1 1/4 inch suction pipe. Net Price \$9.00

No. R 253. Fig. 1663. Force pump, 3 1/2 inch brass cylinder, tapped for 1 1/2 in. suction pipe. Net Price, \$10.50

Cock Spout as on Fig. 1895 on either of the above pumps. Add to Net Price..... \$1.00

The Myers Cog Gear House Lift Pump with Siphon Spout and Glass Valve Seat

No. R 245. Fig. 1746. 3 in. brass cylinder, tapped for 1 1/4 in. suction pipe. Net Price \$7.00

No. R 247. Fig. 1746. 3 1/2 inch brass cylinder, tapped for 1 1/2 in. suction pipe. Net Price..... \$8.50

Myers Cog Gear Low Down Force Tank Pumps

Fig. 1906—No. R288. Hydro Pneumatic Century low down, 3 in. brass lined cylinder tapped for 1 1/4 in. pipe. Net Price, \$13.50

No. R 288A as above with air valve. Net Price, \$15.00

Fig. 1287—No. R470. Fitted with hose nipple, hose attachment, hose band and strainer. Net Price, \$14.50

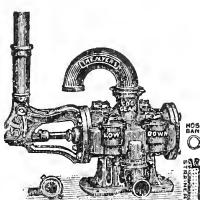


Fig. 1287

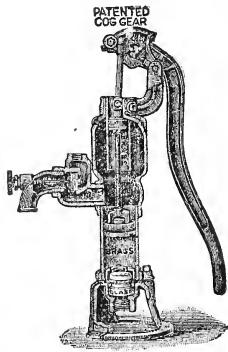


Fig. 1895

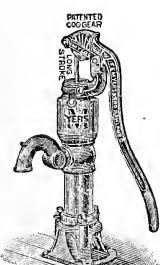


Fig. 1897

No. R S 245. Fig. 1897. Lift pump, 3 inch brass lined cylinder, tapped for 1 1/4 inch suction pipe, 4 ft. set length..... Net Price, \$10.50

No. R S 251. Fig. 1473. Force pump, 3 in. brass lined cylinder, tapped for 1 1/4 inch pipe, 4 ft. set length. Net Price..... \$12.00

Cock Spout on R S 251. Add to net price..... \$1.00

Myers Brass, Brass Lined and Polished Iron Cylinders

Fig. 976. Myers Brass Lined Cylinders are constructed with an outer shell of cast iron, in which is placed a heavy seamless drawn brass tube, ends of which are swaged out by our patent roller process to fit bevel on outer shell.

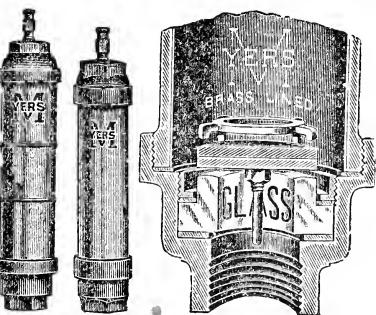


Fig. 976 Fig. 215

Fig. 215. Myers Brass Cylinders with Glass Valve Seat capped outside, are especially adapted for drilled wells of small diameter.

Fig. 577
Brass
Cylinder
Sectional
View

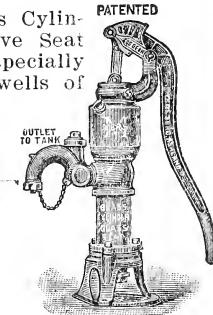


Fig. 1663

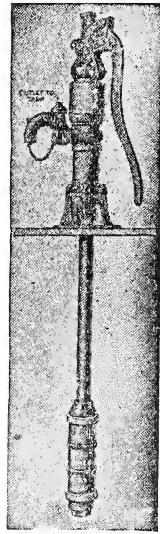


Fig. 1473

All Prices Subject to Change Without Notice

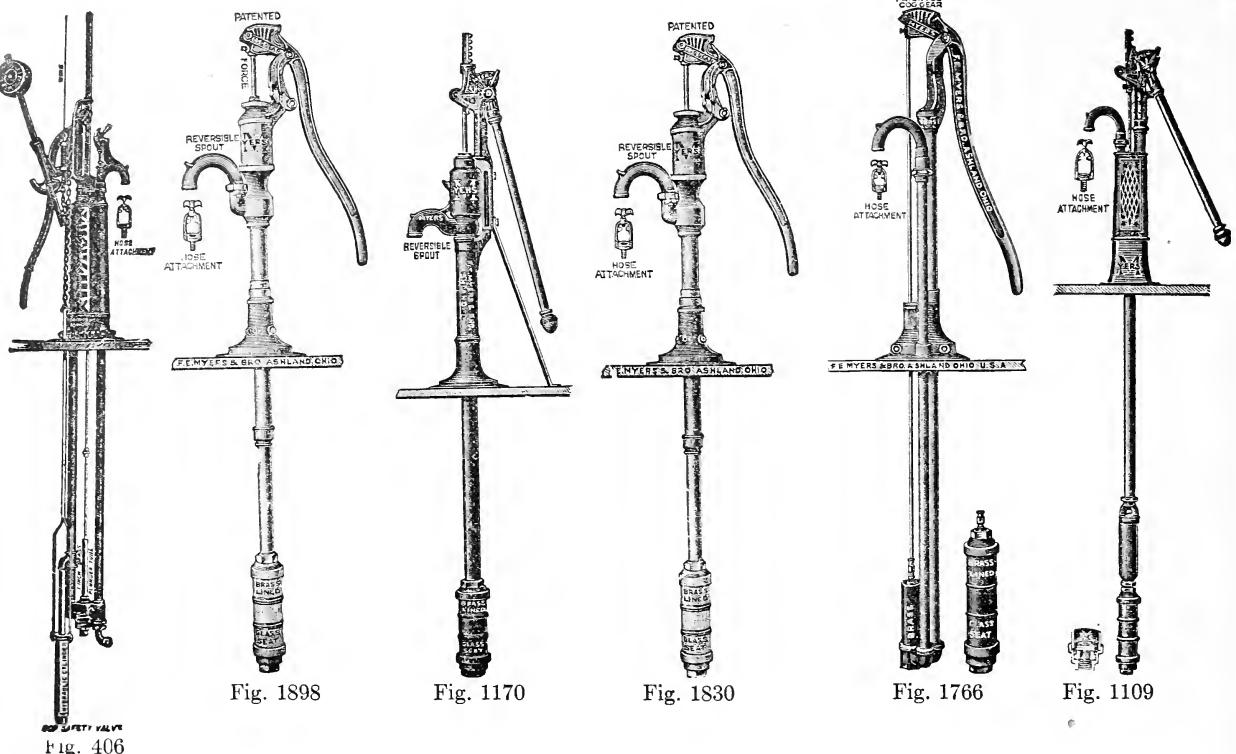


Fig. 1898

Fig. 1170

Fig. 1830

Fig. 1766

Fig. 1109

Fig. 406

Myers Adjustable Base Lift Pump

Fig. 1830—No. R 1058.	3 in. polished iron cylinder, with iron seat, tapped for 1½ inch suction pipe.	Net Price \$9.00
Fig. 1830—No. R 1059.	3½ in. polished iron cylinder, with iron seat, tapped for 1½ inch suction pipe.	Net Price 10.00

Myers Cog Gear Lift Pumps

Fig. 1830—No. R 1052.	3 in. brass lined cylinder, with glass seat, tapped for 1¼ in. suction pipe.....	Net Price 11.50
Fig. 1830—No. R 1054.	3½ in. brass lined cylinder, with glass seat, tapped for 1½ in. suction pipe.....	Net Price 13.00

Myers Cog Gear Stock Lift Pump

Fig. 1170—No. R 104.	4 in. brass lined cylinder with glass seat, tapped for 2 in. suction pipe.....	Net Price \$18.00
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Myers Cog Gear Branch Pipe Double Acting Force Pumps

Fig. 1766—No. R 16.	Has a 3½ inch brass lined lower cylinder with glass valve seat, tapped for 1½ inch suction pipe.	Net Price \$19.00
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Myers Cog Gear Combination Shallow or Deep Well Force Pumps

Fig. 1109—No. R 184.	Has a 2½ inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe.....	Net Price \$18.50
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Fig. 1109—No. R 72.	Has a 3 inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe.....	Net Price \$18.50
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Fig. 1109—No. R 188.	Has a 3½ inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1½ inch pipe.....	Net Price \$20.50
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Myers Cog Gear Single Acting Force Pumps

Fig. 1898—No. R 1072.	3 in. brass lined cylinder, glass valve seat, tapped for 1¼ inch suction pipe	Net Price \$13.00
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Fig. 1898—No. R 1074.	3½ inch brass lined cylinder, glass valve seat, tapped for 1½ inch suction pipe....	Net Price \$14.50
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Myers Windmill Regulator Force Pumps

Fig. 406—No. 243.	Fitted with 1½ in. 3-way 3x14 brass lower cylinder and plunger tube.	Net Price, \$40.50
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All Prices Subject to Change Without Notice

MYERS DIRECT WATER SYSTEM

Self-Oiling

Belt-Driven

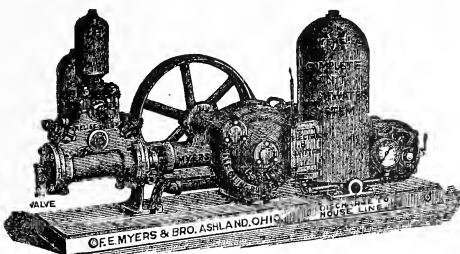


Fig. 1980

No. 622AM. Shallow Well Unit complete as shown in Fig. 1980, including $\frac{1}{2}$ H. P. 110-220 volt, 60 cycle, single phase, A. C., Motor, Belt, Pressure Gauge, Electric Switch and Air Chamber for Discharge, Mounted on Plank.

Net Price, \$160.00

The Myers Junior Self Oiling Direct Water System

Fig. 2211—No.
625 AM

Myers Junior self-oiling system with $\frac{1}{4}$ H. P. 110-220 volt, 60 cycle, single phase A C Motor, Belt Pressure Gauge, Electric Switch, Air Chamber and Relief Valve mounted complete on cast iron base. 300 gallons per hour.

Net Price, \$115.00
No. 626 AM

Same as above with smaller pump, 1-6 H. P. Motor. 200 gallons per hour.

Net Price \$100.00

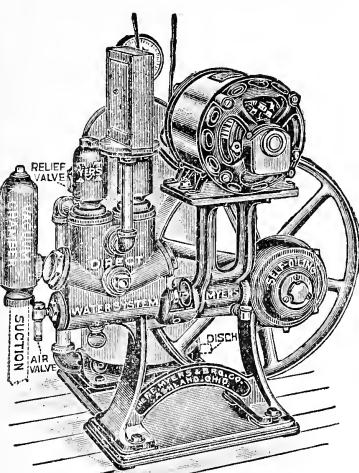


Fig. 2211

Myers Self-Oiling Home Water System Automatically Controlled

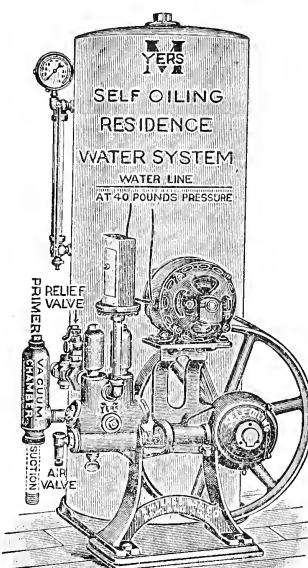


Fig. 2181

Fig. 2181-No. 606 AT complete with Vacuum Chamber, Relief Valve, Air Valve, Pressure Control Switch, Pressure Gauge, Endless Belt, Base, Water Gauge and Connecting Fittings. 42 Gallon Galvanized Tank. 1-6 H. P. Motor. 200 gallons capacity.

Net Price \$115.00

Fig. 2181-No. 609 AT as above with larger pump. $\frac{1}{4}$ H. P. Motor. 300 gallons capacity.

Net Price \$130.00

Myers Direct Water System Self-Oiling Silent Chain Drive

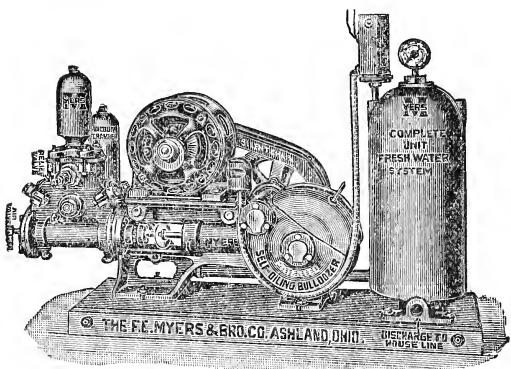


Fig. 2353

Complete Unit. No Storage Tanks. Capacity 500 Gallons Per Hour

Fig. 2353-No. C922 AM. Shallow Well Unit, including $\frac{1}{2}$ H. P., 110-220 volt, 60 cycle, single phase, A. C. Motor, Pressure Gauge, Electric Switch and Air Chamber for Discharge. Mounted on Plank.

Net Price, \$178.00

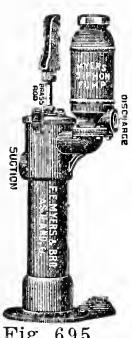


Fig. 695

Myers Siphon Pumps

Fig. 695.—No. 160. 2 $\frac{1}{2}$ in. brass cylinder glass valve seat, tapped for 1 $\frac{1}{2}$ in. pipe, suction and discharge. **Net Price** \$21.50

Fig. 695—No. 161. 3 in. brass cylinder, glass valve seat, tapped for 1 $\frac{1}{2}$ in. pipe, suction and discharge.

Net Price..... \$22.50

All Prices Subject to Change Without Notice

Myers Self-Oiling Bulldozer Power Pump

Fig. 1992 represents the Myers Self-Oiling Bulldozer Power Pump with Cog Gear Handle Attachment.

The Power End consists of a one-piece casting which forms the base of the pump and oil reservoir and encloses all working parts, protecting them from dirt or injury, and securing safety of operation. From the oil reservoir in the base, oil is carried by the main gear to the highest parts of the pump and by a system of channels distributed to all moving parts and returned again to the reservoir. This system of flood lubrication contributes quiet operation and long life, with a minimum of attention.

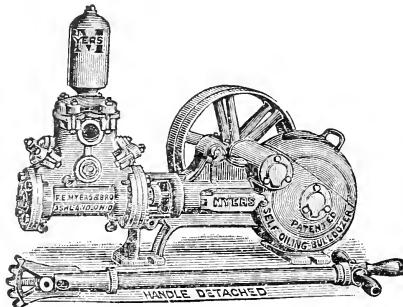


Fig. 1992

No. 612. $2\frac{1}{2} \times 3$ brass lined cylinder, 12-2 in. tight and loose pulleys, suction and discharge $1\frac{1}{4}$ in.

Net Price, \$50.00

No. 613. 3x4 brass lined cylinder, $14 \times 2\frac{1}{2}$ in. tight and loose pulleys, suction and discharge $1\frac{1}{2}$ in.

Net Price, \$80.00

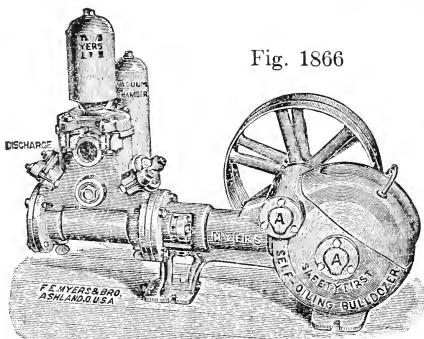


Fig. 1866

Myers Vertical Hydro-Pneumatic Pump

The special advantage of this style pump over an independent Air Compressor is that it admits just enough air at all times to keep Pressure Tank in proper working condition.

The air can be admitted or cut out by tightening or loosening the air cap.

Capacity 360 gallons. No. 379A — For Deep Wells.

Net Price, \$50.00

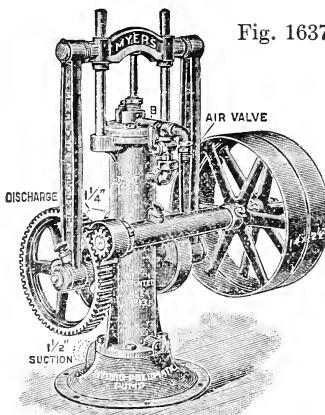


Fig. 1637

All Prices Subject to Change Without Notice

Myers Pump Jacks

Fig. 1684—No. 426. Master Double Gear Pump Jack. Back geared, 6 to 1. Pulleys 3×12 in. Extra wide, 13 in. between the gear wheels. **Net Price, \$19.00**

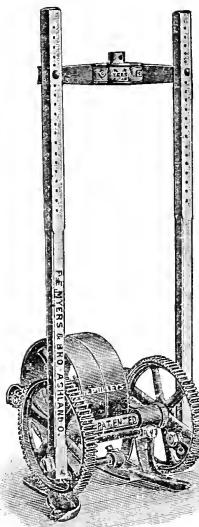


Fig. 1684

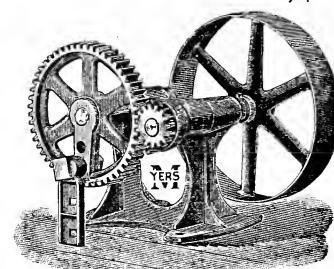


Fig. 1668

Fig. 1668—No. 400. Junior, with 36 in. wood rod and handle connections.

Net Price, \$14.25

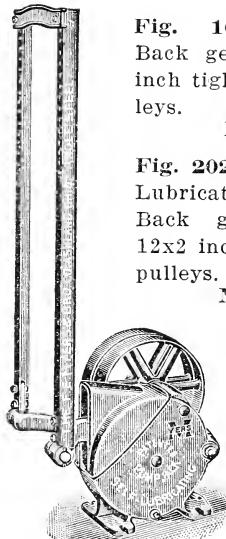


Fig. 2029

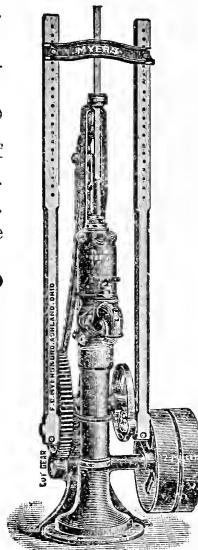


Fig. 1605

Fig. 1605—No. 366. Back geared 6 to 1, 12 inch tight and loose pulleys.

Net Price, \$12.50

Fig. 2029—No. 422. Self Lubricating Pump Jack. Back geared 6 to 1, 12x2 inch light and loose pulleys.

Net Price, \$19.00

Myers Bulldozer Power Pump

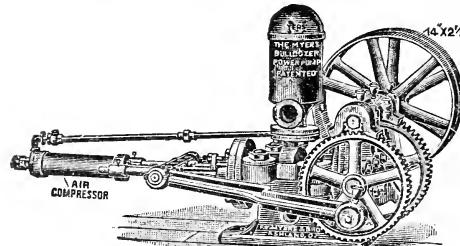
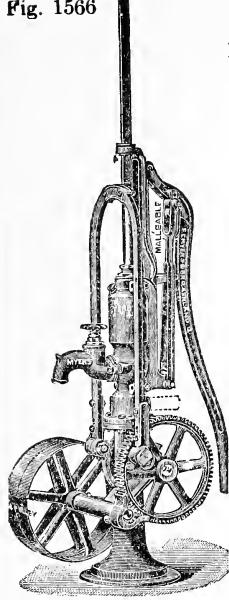


Fig. 1319

Fig. 1319—No. 502A with a 3×5 brass lined cylinder, $14 \times 2\frac{1}{2}$ inch, tight and loose pulleys, suction $1\frac{1}{2}$ in. Discharge $1\frac{1}{4}$ in. 2×5 in. air compressor. **Net Price, \$60.00**

Fig. 1566



The Myers Defiance Working Head

Fig. 1566—No. 388. Working Head belt drive, back geared 6 to 1. 14 x 2½ inch pulleys. Weight 161 lbs.

Net Price, \$33.00

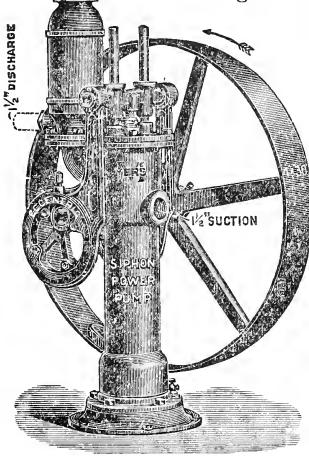


Fig. 1226

Myers Siphon Power Pumps

Fig. 1226—No. 373, with 2½ brass cylinder, suction and discharge, tapped for 1½ in. pipe. Has 30x4 in. pulleys, 4 in. direct stroke.

Net Price, \$50.00

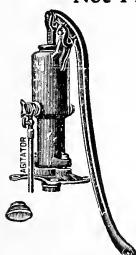


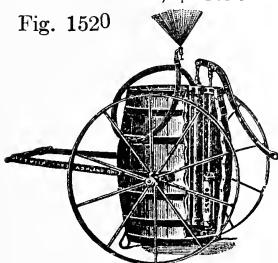
Fig. 543

Myers Double Acting Barrel Spray Pump

Fig. 543—No. 300. With Brass Upper and Brass Lined lower cylinder Strainer, 1-inch suction pipe and mechanical agitator.

Net Price, \$15.30

Fig. 1520



Myers Steel Barrel Cart

Fig. 1520. All steel Barrel Cart attached to barrel, has 36 in. steel wheels with 1¼ inch tire. Any Myers Barrel Spraying Pump can be used with it.

Steel Cart Only, ready to attach to barrel.

Net Price, \$15.00

All Prices Subject to Change Without Notice

Myers Improved Brass Barrel Spray Pump

Fig. 1456—No. 304. Brass Barrel Spray Pump for inside of barrel with both jet and mechanical agitators. No hose or nozzle.

Net Price, \$11.00

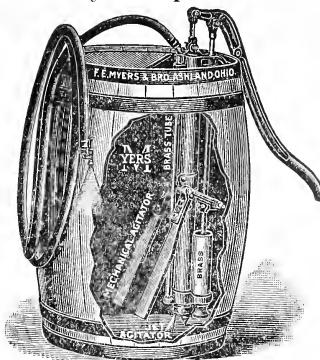
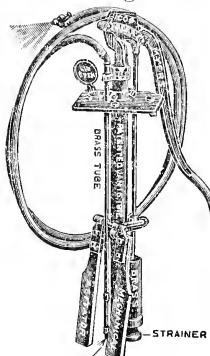


Fig. 1456

Fig. 1456—No. 305B as above with one lead of 15 feet of ½ inch hose and Vermorel nozzle. Barrel not included.

Net Price, \$15.00



Myers Cog Gear Barrel Spray Pump

Fig. 1521—No. R318. Myers Cog Gear Spray Pump only, with both jet and mechanical agitator, but without hose or nozzle.

Net Price, \$12.00

Fig. 1521—No. R318B. Complete with one lead of 15 ft. of ½ in. 5 ply hose graduating Vermorel Nozzle, both jet and mechanical agitator.

Net Price, \$16.00

Fig. 1521

Myers O. K. Cog Gear Spray Pump

Fig. 1542

No. R308. Myers O. K. Spray Pump without barrel or hose.

Net Price, \$21.50

R308B. Outfit with one lead 15 feet of 7 ply ½ in. discharge hose and one Fembro (Fig. 1290) nozzle.

Net Price, \$28.00

R308C. Outfit with two leads of 15 ft. 7 ply ½ in. hose and two Fembro (Fig. 1290) nozzles.

Net Price, \$34.50

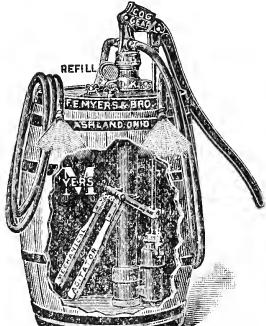


Fig. 1542

Represents No. R308C. Barrel not included.

Myers Bucket Spray Pump

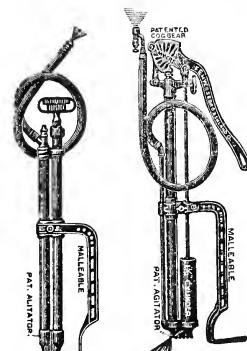


Fig. 639—No. 327½. Little Giant Brass Spray Pump with agitator, complete with hose and Imperial combination, fine, coarse spray and solid stream nozzle with adjustable malleable foot rest.

Net Price, \$4.30

Fig. 1726—No. R324. Myers Lever Spray Pump, with agitator, complete with hose and graduating Vermorel and solid stream nozzle.

Net Price, \$6.50

Myers Cog Gear Spray Pumps, Double Acting

Price List, Represented by Fig. 1571

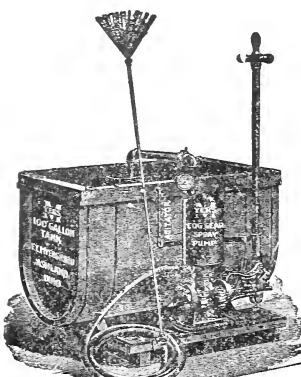


Fig. 1571

No. R317B. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, one 15 foot lead of $\frac{1}{2}$ inch 7 ply discharge hose, one Fembro (Fig. 1290) nozzle, one 8 foot pipe extension with lever shut off.

Net Price, \$65.00

No. R317C. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, two 15

foot leads of $\frac{1}{2}$ in. 7 ply discharge hose, two Fembro (Fig. 1290) nozzles, two 8 foot pipe extensions with lever shut off.

Net Price, \$71.00

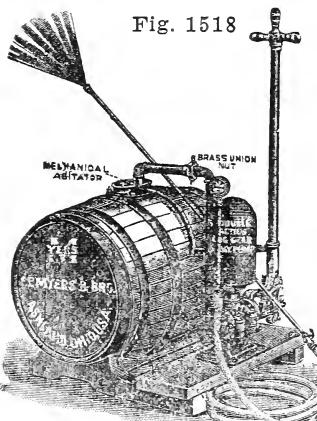


Fig. 1518

Price List, Represented by Fig. 1518

No. R316B. Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, one 15 ft. lead of $\frac{1}{2}$ in. 7 ply discharge hose, one Fembro (Fig. 1290) nozzle, one 8 ft. pipe extension with lever shut off and mechanical agitator.

Net Price, \$54.00

No. R316C. Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, two 15 ft. leads of $\frac{1}{2}$ inch 7 ply discharge hose, two Fembro (Fig. 1290) nozzle, two 8 foot pipe extensions with lever shut off and mechanical agitator.

Net Price, \$60.00

Myers Whitewash and Spray Outfit

Fig. 1358—No. 329. Myers Whitewash, Cold Water Painting machine and general purpose sprayer complete as illustrated.

Net Price, \$13.00



Fig. 1358

STANDARD SPRAY PUMP is not a compressed air sprayer and is, in short, merely a very accurately designed and finely fitted "squirt gun," with a proper outfit of nozzles capable of various combinations. It is made of brass throughout. The nozzles are attached to the discharge end and the hose to the suction end of the pump.

Price, \$5.00; postpaid, \$5.15

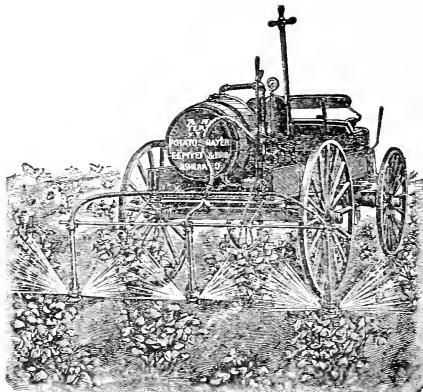


Fig. 1582

Fig. 1582—No. 1. Myers Three Row Hand Potato Sprayer complete, ready to attach to pump. Pump and barrel not included.

Net Price, \$20.00

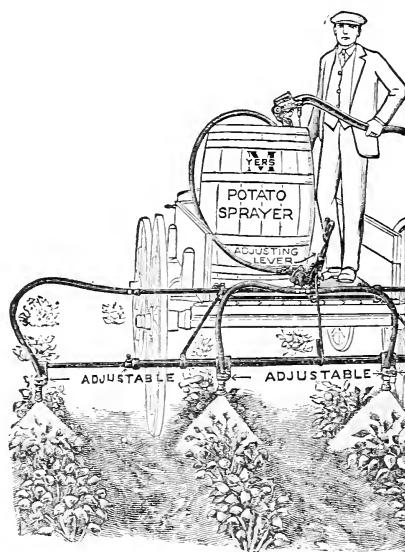


Fig. 2098

Fig. 2098—No. 6. Myers Hand Overhead 4 Row Sprayer, complete with hose and nozzles (pump and barrel not included).

Net Price, \$20.00

Myers Power Spray Outfits

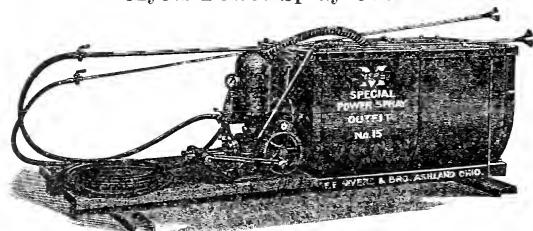


Fig. 1686

No. 15, Myers Junior Power Spray Outfit, belt driven, equipped with 50 ft. $\frac{1}{2}$ in. discharge hose with fittings, agitator, pressure gauge, relief valve, double-cutoff, strainer and suction hose.

Net Price, \$125.00

All Prices Subject to Change Without Notice

Myers Power Spray Outfits

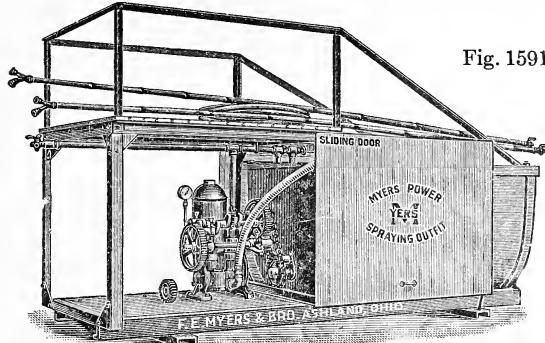


Fig. 1591

Fig. 1591. Myers Senior Power Spray Outfit complete less engine as shown with 200 gallon tank, No. 446— $2\frac{1}{2}$ inch Duplex Pump, with pinion for crank-shaft of engine. **No. 1**

Net Price, \$245.00

Equipped as Follows:

- 1 50 foot lead of $\frac{3}{8}$ inch best grade high pressure discharge hose.
- 1 10 foot lead of $\frac{3}{8}$ inch best grade high pressure discharge hose, 10 feet wire bound suction hose.
- 2 10 feet Bamboo Pipe Extensions complete with lever shut off.
- 4 Fembro Nozzles—(2 45-degrees, 2 straight-away).
- 2 Fig. 1560 Y's.

Rotary agitator. Cut-offs for discharge lines. Relief Valve. Pressure Gauge and Strainer. All assembled ready for use, except the engine.

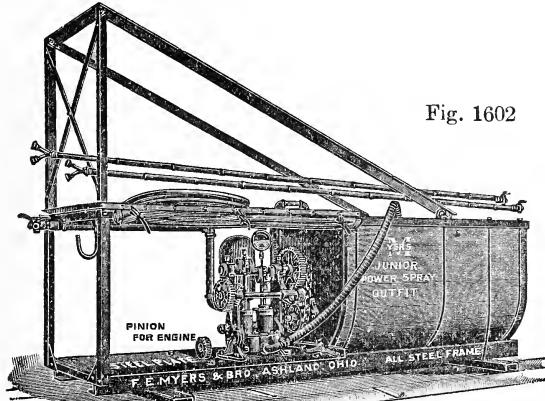


Fig. 1602

Fig. 1602—Myers Junior Power Spray Outfit, complete less engine as shown, with 100 gallon tank. No. 436— $2\frac{1}{2}$ in. Duplex Pump with pinion for crank-shaft of engine. This outfit has curtains instead of sliding doors. **No. 10,**

Net Price, \$185.00

EQUIPPED AS FOLLOWS:

- 1 100 Gallon cypress tank.
- 6 Feet 1 inch suction hose.
- 50 Feet $\frac{3}{8}$ inch discharge hose with fittings for 2 leads.
- 4 Fembro Nozzles—(2 straight-away and 2 45-degrees).
- 2 Fig. 1560 Y's.
- 2 8 Foot Bamboo Pipe Extensions. Rotary Agitator, Pressure Gauge, Relief Valve, Double Cut Off and Strainer. All assembled ready for use, except the engine.

Washington White Spruce Wood Pumps

It is a well known fact that a good Wood Pump furnishes the easiest and best method ever invented for raising water from shallow wells. Easiest repaired, cheaper to maintain, by far, than are Iron Pumps.

Washington White Spruce from which our Wood Pumps are made is superior to any other wood, is practically without sap, and is entirely tasteless.

Net Prices

7 ft.	Porcelain Lined.....	\$10.25
8 ft.	Porcelain Lined.....	11.00
10 ft.	Porcelain Lined.....	12.75
12 ft.	Porcelain Lined.....	14.00
14 ft.	Porcelain Lined.....	15.50
	Tubing, per ft.....	.32

All repairs for Wood Pumps carried in stock.

Myers Power Spray Gun



Utilizes the entire capacity of any Power Spray Pump and does away with all Bamboo Extensions, Nozzles and fittings. All working parts on the outside. Not subject to corrosion.

Net Price, \$6.00 Fig. 1824

Myers Pipe Extensions

Fig. 480	4 ft. pipe extensions with coupling.	Net Price, \$0.50
Fig. 480.	8 ft. pipe extension with coupling.	Net Price, .75
Fig. 480	8 ft. pipe extension with coupling, jointed in center.	Net Price, \$1.00



Fig. 480

Myers Bamboo Extensions

Fig. 1536.	8 foot bamboo extension, lever shut off cock.	Net Price, \$5.50
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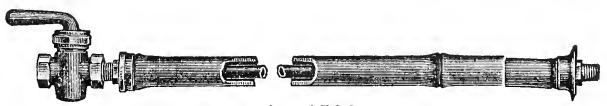
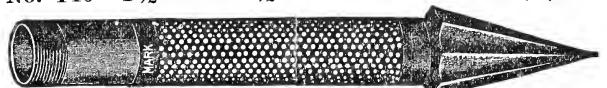


Fig. 1536

No. 1536.	10 ft. bamboo extension, with lever shut off cock.	Net Price, \$5.25
Fig. 1536.	12 ft. bamboo extension, with lever shut off cock.	Net Price, \$5.50

Drive Well Points

No. 90— $1\frac{1}{4}$ in. x 2 ft.	Net Price, \$2.15
No. 98— $1\frac{1}{4}$ in. x 3 ft.	Net Price, \$3.30
No. 136— $1\frac{1}{2}$ in. x 2 ft.	Net Price, \$2.80
No. 140— $1\frac{1}{2}$ in. x $2\frac{1}{2}$ ft.	Net Price, \$3.50



MYERS SPRAY NOZZLES

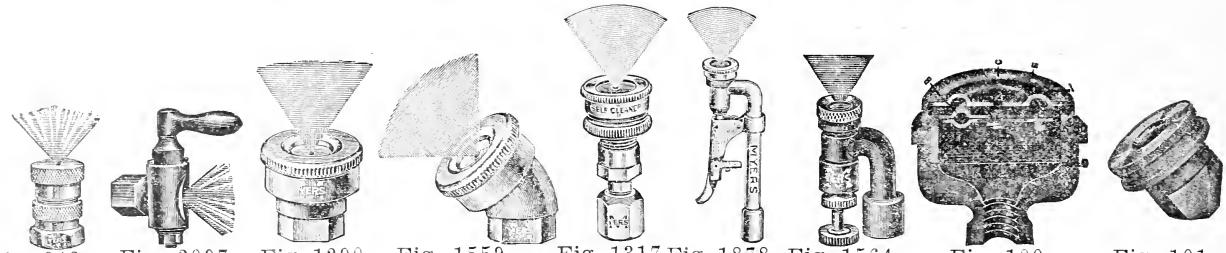


Fig. 642. Imperial Nozzle.....Net Price, \$0.40
 Fig. 2097. Bordeaux NozzleNet Price, 1.00
 Fig. 1290. Fembro Straight Nozzle....Net Price, .60
 Fig. 1559. Fembro 45° Nozzle.....Net Price, .70
 Fig. 1317. Power NozzleNet Price, 1.10
 Fig. 1878. Special Spray Nozzle.....Net Price, 1.40
 Fig. 1564. Vermorel NozzleNet Price, .80
 Fig. 100. Brown's Non-Clog Nozzle. Net Price, 1.00
 Fig. 101. Gould's Mistry Jr. Nozzle. Net Price, 1.10
 Fig. 101 we can furnish either straight or angle at same price.

MYERS SPRAY PUMP FITTINGS

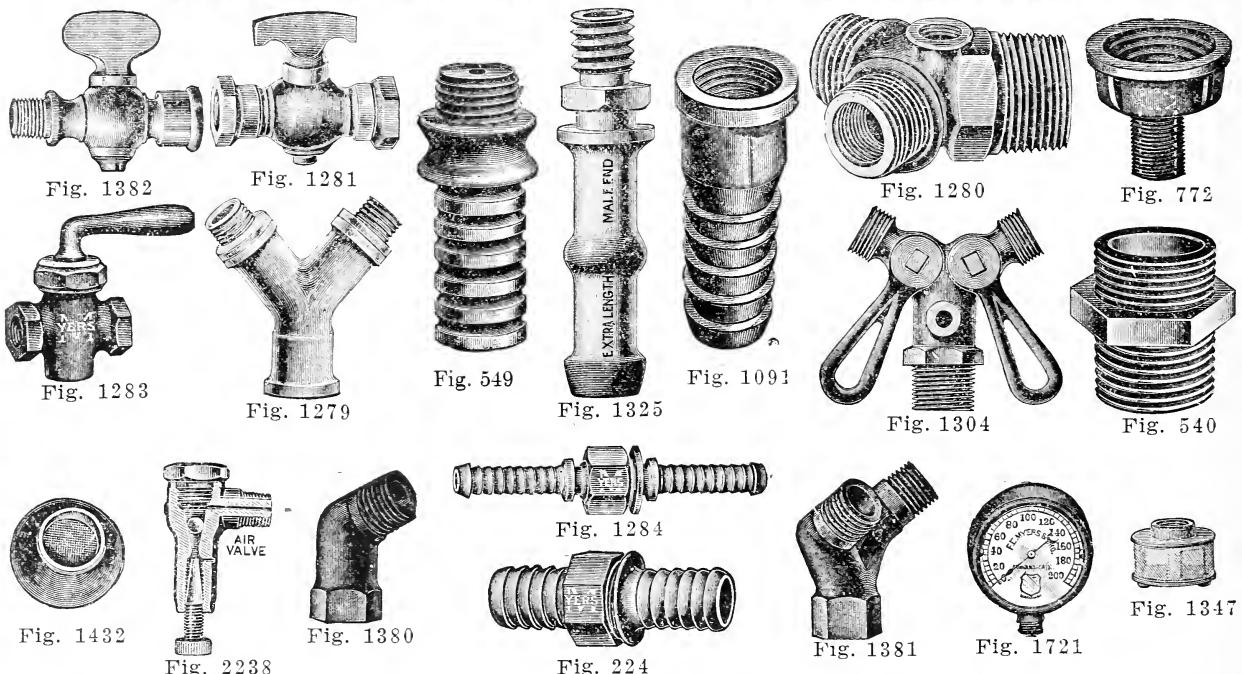


Fig. 224. Garden Hose Coupling,
 $\frac{1}{2}$, $\frac{5}{8}$ or $\frac{3}{4}$ in. Per Set, Net Price, \$0.20
 Fig. 540. Brass Hose Nipple.
 $\frac{3}{4}$ in. Net Price, .40
 1 in. Net Price, .60
 Fig. 549. Male End Regular $\frac{1}{4}$ in. pipe,
 $\frac{3}{8}$ or $\frac{1}{2}$ in. hose Net Price, .25
 Fig. 772. Hose Reducer. $\frac{1}{4}$ in. pipe.
 $\frac{3}{4}$ in. hose Net Price, .30
 Fig. 1091. Female End. $\frac{1}{4}$ in. pipe.
 $\frac{3}{8}$ or $\frac{1}{2}$ in. hose. Net Price, .25
 Fig. 1279. Brass Y $\frac{1}{4}$ in. pipe. Net Price, .60
 Fig. 1280. 3 Way connection, 1 in. pipe inlet.
 $\frac{3}{4}$ in. hose outlet, Net Price, 1.35
 Fig. 1281. Shut-off Cock. $\frac{1}{4}$ in. pipe. Net Price, .80
 Fig. 1283. Lever Shut-off, $\frac{1}{4}$ in. pipe. Net Price, 1.00
 Fig. 1284. Hose Coupling, extra long.
 $\frac{3}{8}$ and $\frac{1}{2}$ in. Net Price, .60
 Fig. 1304. Double Cut-off 1 in. pipe inlet.
 $\frac{3}{4}$ in. hose outlet. Net Price, \$3.25
 Fig. 1325. Male End, Extra Long, $\frac{1}{4}$ in. pipe.
 $\frac{3}{8}$ or $\frac{1}{2}$ in. hose. Net Price, .35
 Fig. 1347. Strainer for 1 in. pipe. Net Price, 1.35
 Fig. 1380. 45° Bend, $\frac{1}{4}$ in. pipe. Net Price, .25
 Fig. 1381. 45° Bend Double $\frac{1}{4}$ in. pipe. Net Price, .40
 Fig. 1382. Air Cock $\frac{1}{4}$ in. pipe. Net Price, .80
 Fig. 1432. Strainer for 1 in. pipe. Net Price, .90
 Fig. 1721. Pressure Gauge.
 100 lbs. 3 in. Diameter. Net Price, 2.50
 250 lbs. 3 in. Diameter. Net Price, 2.50
 400 lbs. 3 $\frac{1}{2}$ in. Diam. Net Price, 3.50
 Fig. 2238. Air Valve. Net Price, 2.00

Brown's Auto-Spray No. 9



No. 9 D Galvanized Steel Tank. Net Price, \$6.75
No. 9 B Brass Tank. Net Price, 9.75

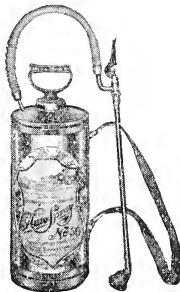
An excellent all round Sprayer for small trees, field crops, home and truck garden, vines, etc. Also recommended for removing wall paper. Capacity 4 gallons. Two feet hose, Auto-spray Nozzle, Carrying Strap, Auto-Pop Shutoff, 22 inch extension Rod. Shipping weight, 11 lbs. Postage extra.

BROWN'S AUTO-SPRAY NO. 50 Smaller Capacity, Lighter Weight

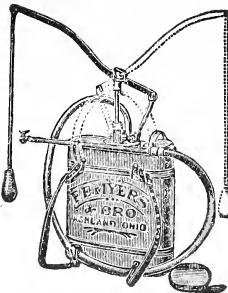
This sturdy little machine is built exactly the same as No. 9 excepting the capacity. Capacity 2 $\frac{1}{2}$ gallons. Two feet hose, Auto-Spray Nozzle, carrying Strap, Auto-Pop Shutoff, 18-in. Extension Rod. Shipping Weight, 7 lbs. Postage extra.

No. 50 D Galvanized Steel Tank
Net Price, \$5.90

No. 50 B Brass Tank.
Net Price, \$8.35



Myers Perfect Knapsack Spray Pump

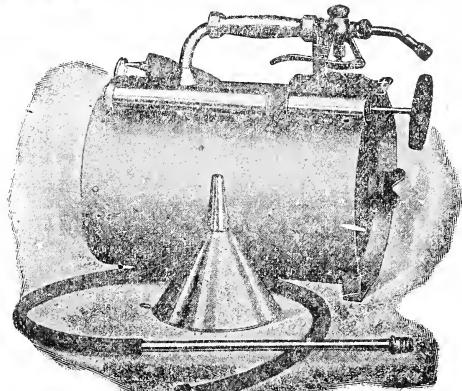


Fitted with 5 ft. of $\frac{3}{8}$ inch hose, pipe extension and Bordeaux spray nozzle which can be graduated from a fine mist spray to a solid stream.

Fig. 1865—No. 330.
Net Price, \$12.50

Lowell Compressed Air Sprayer

Fig. 1865



Does not require constant pumping. Has an automatic thumb lever valve. Most practical for Orchard, Field and Garden work.

No. 110—Galvanized with hose, brass pipe and nozzle.
Net Price, \$6.25

No. 111—Brass, with hose, brass pipe and nozzle.
Net Price, \$9.50

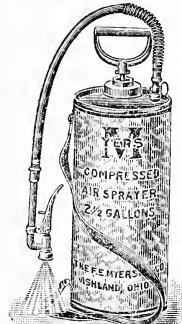


Fig. 2332

Myers Compressed Air Sprayer

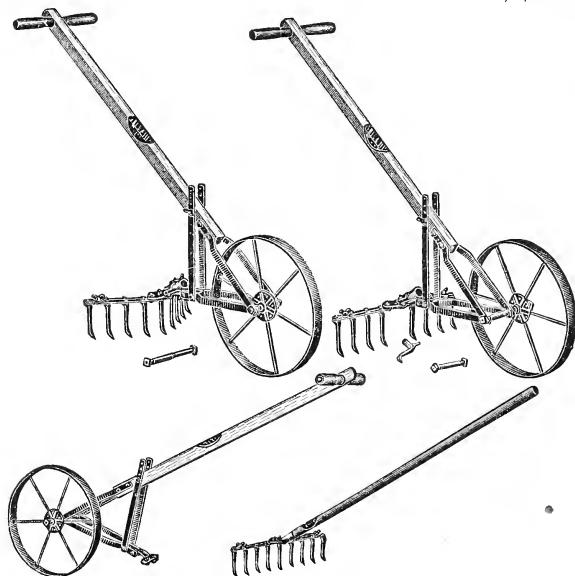
The Tank is made of heavy galvanized iron. The side walls are double seamed, riveted and soldered. Has 1 $\frac{3}{4}$ inch Brass Tube Cylinder.

Fig. 2332—No. 1296. 2 $\frac{1}{2}$ Gallon galvanized tank, Compressed Air Sprayer. Net Price, \$5.50



Fig. 2333

Fig. 2333—No. 1297, 4 $\frac{1}{4}$ gallon, galvanized tank, Compressed Air Sprayer. Net Price \$6.95



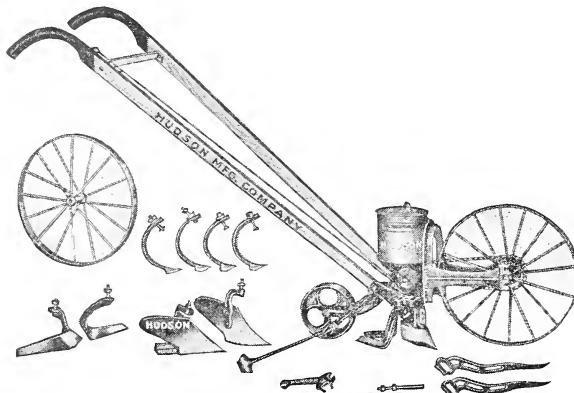
Pull-Easy Wheeled Cultivator Specifications

Handles 4 $\frac{1}{2}$ feet long. Wheel 14 inches diameter, 1 inch rim. Cultivator adjustable 7 to 18 inches wide. Weight 12 lbs. Price, \$3.00

All Prices Subject to Change Without Notice

Garden Cultivators and Seeders

Seeder and Single or Double Wheel Cultivator



No. 201

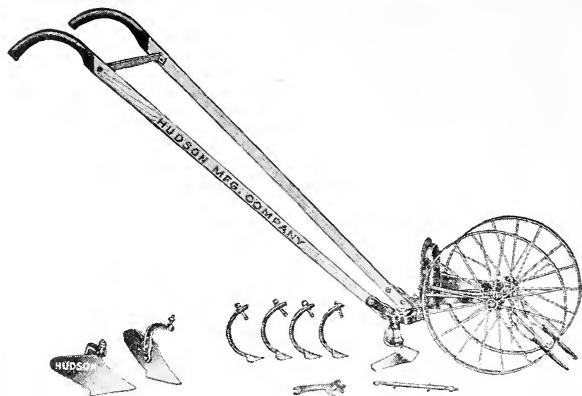
The No. 201 Machine is a combination outfit which may be used as a hill or drill seeder, double or single wheel cultivator, plow or hoe, as conditions require. It has all the equipment to serve the gardener from the initial seeding, until final cultivation. It is readily converted from one use to another; the change from seeder to cultivator being accomplished by removing two red-headed bolts. One standard frame is used throughout.

As a seeder, this machine opens the furrow, drops the seed, closes the furrow, packs the earth, and marks the next row—all in one operation. The seed regulator is made entirely of brass, with openings die cut to insure absolute uniformity. This gives perfect control of the seed flow and insures a uniform drop. Sows all seeds from beans down to the finest garden variety, in continuous drills, or hills, 4, 6, 8, 10, 12 or 24 inches apart. Adjustments in furrow-opening shoe and furrow coverer permit planting at any depth up to 2 inches.

No. 201. Weight 60 lbs. Price.....\$17.00

No. 205. Hill and Drill Seeder only. Weight, 50 lbs. Price.....\$14.00

Double Wheel Cultivator

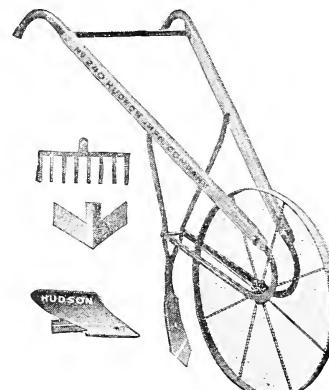


The No. 212 Cultivator may be used as a double wheel hoe, plow, or cultivator astride the row during early cultivation, and as a single wheel cultivator between the rows later. The angle steel arch is high enough to permit straddling until the plants are well grown.

Tool equipment is made of high grade steel, with surfaces polished and lacquered so as to scour in any soil. Cutting edges are sharpened to reduce friction. Mold-boards are curved to turn the earth cleanly. All shanks are malleable and unbreakable. Teeth are designed to thoroughly stir up the soil and give the plant roots plenty of air. Wheels are 16 inches high, with 1 1/4 inch tire. Handles are seasoned hardwood, with the easy plow-handle grip, and adjustable to height. Reinforced with steel cross brace which will not break or pull out. Standard steel frame and arch are used, so that seeder parts may be added if desired, making the complete No. 201 outfit.

No. 212. Weight 35 lbs. Price.....\$10.00

Garden Plow



Iron Age

No. 19-C

No. 19-C Iron Age Wheel Cultivator and Plow is a low-priced tool and will always be a convenience to have for many kinds of work.

It does the necessary plowing in many soils, opens furrows for seed or fertilizer and covers on the return trip. Shipping weight, 22 lbs.

Price\$5.00

All Prices Subject to Change Without Notice

The high wheel garden plow is a universal favorite with the truck farmer or gardener where the work is sufficient to justify separate machines for seeding and cultivating.

A 24 inch high wheel is used which makes traction very easy. Handles are of the right length and adjustable to height for the comfort of the operator. Frame work is of steel, giving great strength and rigidity without excessive weight. The Plow, double pointed shovel and sweep, are made of regular plow steel and are polished and lacquered. The cultivating attachment is made from malleable iron and is equipped with 5 removable steel teeth.

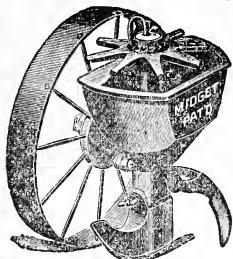
Standard Package—One in bundle, K. D.; weight about 22 lbs.

No. 320. Garden Plow. Price\$4.25

Garden Cultivators and Seeders

Milbradt Power Lawn Mower

Most Popular Seeder Made



The MIDGET SEEDER will pay for itself in a short time, because it saves seed by sowing accurately. Sowing by hand wastes seed.

It is very easy to operate and drills almost any kind of garden seed from the smallest up to and including peas and beans.

The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired, and the coverer swings free.

The Midget opens the furrow, sows the seed and covers up, all in one operation.

It is sold with handle complete, or may be easily attached to almost any wheel cultivator. Hopper holds one pint. Weight 6 pounds.

No. 1 H with handle, Price.....\$4.50

Quick-Adjustable Cultivator

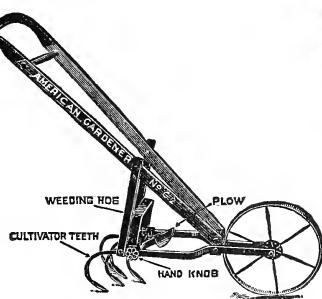
The TRUE TEMPER GENEVA, No. G2, is recognized everywhere as the only real quick-adjustable cultivator on the market.

It has a Weeding Hoe, a Plow and five Cultivator Teeth, all permanently attached to a revolving steel plate.

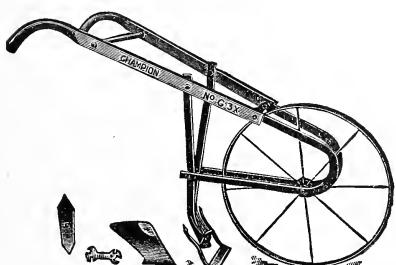
Any of these tools may be securely locked into working position by a few turns of the Hand Wheel—a time and labor saver.

Machine has steel forged tools, well selected oak handles, with comfortable handle grips. It has 14-inch steel wheel and is finished in colors, then varnished. Weight 20 pounds.

No. G2, Price.....\$6.00



Champion No. G-3X



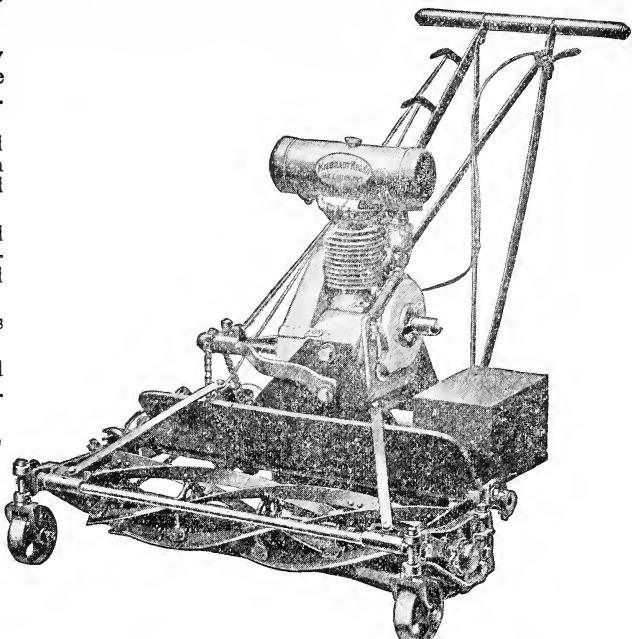
Champion No. G-3X has the popular braced steel Hook Frame and Oak plow-grip handles. It is handy and efficient, an extreme value among cultivators and cannot be matched at the price. The steel wheels have steel bushed hubs, the

handles are adjustable not only for the height of the operator but also for the set of the working tools.

The Moldboard Plow with Landside is properly designed and oil tempered, and will hill, plow or furrow.

The Reversible Sweep with four Cultivating Teeth and the Reversible Calf and Bull Tongue work perfectly and handle without difficulty, and are so carefully made that the machine runs easily and in perfect balance.

G-3X. Weight 20 lbs. Price.....\$3.50



Gasoline Motor Power, 5 Blade Cutting Reel. 27 inch cut. Weight, 185 lbs. Send for Booklet and price.

Eastern Portable Wood Working Machine

A Practical, Efficient and Accurate Complete Machine.

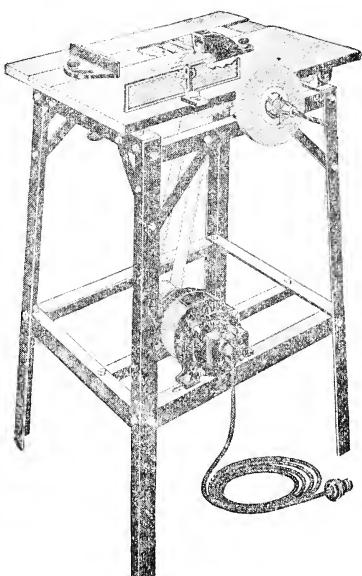
A combination machine for sawing, edging, grinding or drilling. Designed to give you a sturdy yet portable wood-working machine. A machine built well and fitted with the best quality of equipment on the market.

The Frame is of heavy 1 1/4 in. angle steel, thus combining maximum strength with minimum weight. Construction could not be stronger yet these machines are light and easily portable.

The Table is cast iron, one piece, ribbed construction 12x21 inches, ground to a smooth and accurate surface. Hinged at back and raised or lowered by thumb screw in front. Height of table top, 32 inches.

Machine complete with motor, ready to operate, weighs only 95 lbs.

Write for special circular and price.

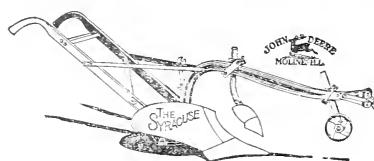


All Prices Subject to Change Without Notice

A Complete Line of Good Farm Implements

There is a John Deere implement for practically every farming operation. Each carries the John Deere trade-mark, the best-known badge of quality in the implement world.

John Deere-Syracuse—1441 Series

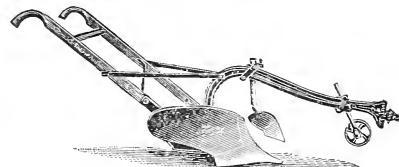


walking plow. This series have steel wearing parts except the share, which is chilled.

No. 1442S cuts 5 to 7 in. deep and 10 to 13 in. wide. Weight, 150 lbs.

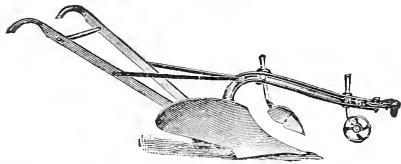
No. 1441S cuts 5 to 8 in. deep and 12 to 15 in. wide. Weight, 152 lbs.

Syracuse No. 1466 Chilled Plow



For gritty or gravelly soils. Sloping landside prevents furrow wall from breaking or caving in. Moldboard has sufficient curve to pulverize in stubble land. Also works equally well in loam and turns sod perfectly. Rib in landside holds plow to its work. Steel beams—guaranteed not to bend or break. Shares and landsides chilled extra deep by special Syracuse process. Full horn share—a new cutting edge on the shin is obtained with each new share. Cuts 3 to 5 in. deep, 6 to 8 in. wide. One horse size. Weight 82 lbs.

Syracuse No. 31 Plow

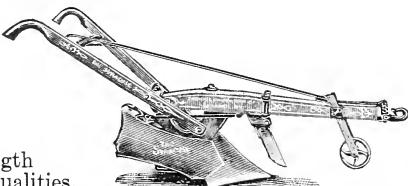


sloping land. This makes it an especially good plow for rolling land. Extra high, steel landside with a cast shoe. Handles adjustable. Cuts furrows 5 to 8 inches deep, 12 to 15 inches wide. Weight 113 lbs.

Syracuse No. 32 Plow

Cuts furrow 5 to 7½ inches deep, 10 to 13 inches wide. Weight 110 lbs.

Syracuse Diamond Swivel Plow



This type of Side Hill Plow has always been very popular in New England, being light, but still having great strength and good turning qualities.

Easy shifting clevis and also automatic shifting Coulters except on small size.

Furnished in three sizes:

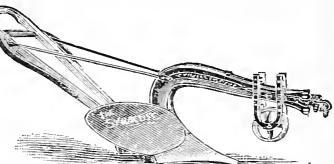
Diamond A2, Medium, 2 Horse, Weight 130 lbs.

Diamond B2, Light, 2 Horse, Weight 126 lbs.

Diamond C2, Light, 1 Horse, Weight 85 lbs.

John Deere-Syracuse No. 1 Contractors' Plow

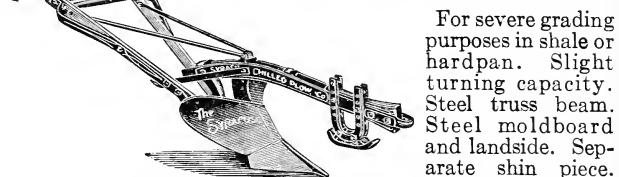
Excellent for general grading purposes. Hard iron wearing parts. Extra heavy beam, share and strip. Steel wheel frame. Loop handle wear irons. Wood or steel handles. Steel share can be furnished on repair orders. Will turn a furrow 5 to 9 inches deep, 12 to 15 inches wide. Cast moldboard and share. Two to four horses.



Syracuse No. 98 Contractors' Plow

Especially adapted for tearing up cobblestones or macadam pavement. Strongly built throughout. Adjustable and double reversible crucible steel point. Adjustable shoe. Loop handle wear irons. Four to six horses.

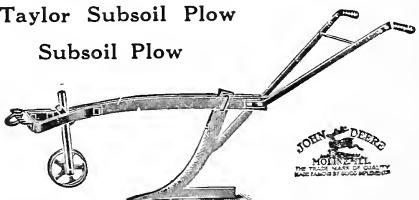
Syracuse No. 99 Contractors' Plow



Heavy overlaid wrought steel share. Adjustable shoe. Loop handle wear iron. Four to eight horses.

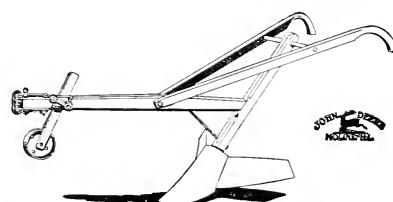
Taylor Subsoil Plow

Subsoil Plow



A valuable plow in sections subject to drought or where subsoil does not permit water, air and roots to penetrate readily. Cuts a gash in bottom of furrow, permitting water to move downward and spread out.

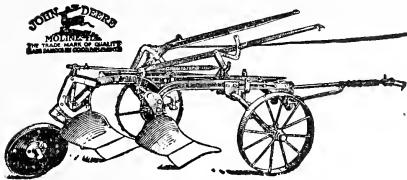
John Deere—Syracuse Shovel Plow Wood Beam



Blades and wings made of steel. Wings adjustable to throw more or less dirt. Especially adapted for hilling potatoes and other light work.

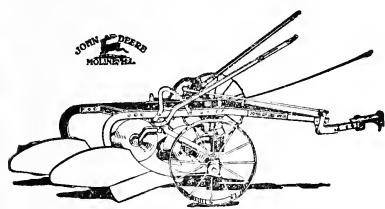
No. 26 Wood beam with gauge wheel. Weight, 45 lbs.

John Deere Tractor Plow No. 5



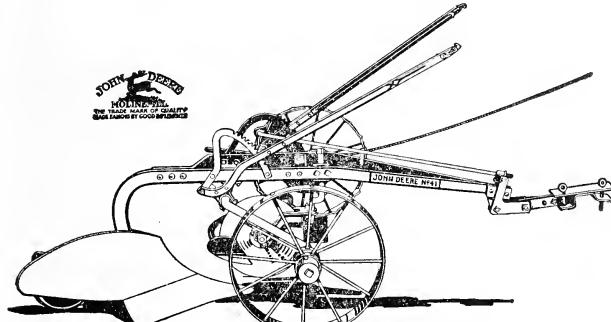
Strong, power-lift plows, equipped with genuine John Deere bottoms that scour well and make good seed beds. Quick detachable shares—loosen one nut to remove share; tighten the same nut and share is on tight. Beams guaranteed not to bend or break. Stiff hitch adjustable to any make of tractor. Sizes—2-, 3- and 4-bottom.

No. 40 Tractor Plow



true and level, and all of the weight is wheel-carried; therefore, the "40" pulls exceptionally light. Special steel makes this light-weight plow a giant in strength. Beams guaranteed not to bend or break. Simple, positive power lift.

John Deere Tractor Plow No. 41



This plow is built especially for Fordson owners who require a single-furrow plow.

It is widely used in plowing extremely heavy soil; in plowing unusually hard ground, or in plowing unusually deep.

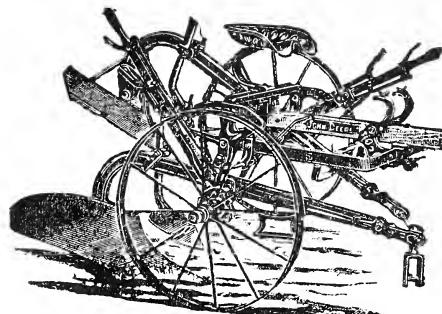
In such conditions, having the right hitch at all times is especially important.

The hitch of the No. 41 adjusts itself. This is a time-saving, work-improving, draft-reducing feature which every user of the No. 41 appreciates. Every plow for the Fordson needs it; only the John Deere plows for the Fordson have it.

Every time you adjust the plow for depth with the handy depth lever, the hitch adjusts itself up or down to the correct line of draft.

Thus, the hitch being always correct, the bottom always runs true and level. There is no "nosing in" or hopping out. At all depths, without any attention to the hitch adjustment by the operator, the bottom pulls light and does good work.

John Deere Two Way Sulky Plow



The John Deere Sulky Plow represents the highest type of material and workmanship that it is possible to procure. The entire frame and beams are constructed entirely of high carbon steel, hence are very strong and durable.

The new style foot landing device is the most satisfactory ever used and by its use and the horselift operated by foot power, the plow can be operated very easily.

Extra wide and long steel frame. Track wider than the ordinary plow, making it run steadier and less liable to overturn.

Sizes

1342S-1442S

Cuts

3 to 8 in. deep

12 to 16 in. wide

4 to 9 in. deep

14 to 18 in. wide

Medium Size

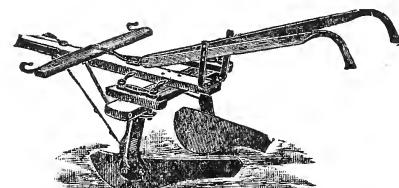
1341S-1441S

Large Size

Fitted with either Jointers, Hanging Cutters or Fin Cutters. Two or Three-Horse Eveners.

Hisco Wing Potato Hoe

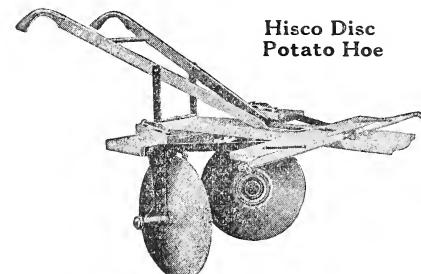
Two-Piece Wings



There has always been a large demand for a Wing Potato Hoe of this type. They are constructed of the best material and are invariably satisfactory to our customers.

They are fitted with an adjustable extension on the wings which is a decided advantage.

Price, \$12.50



Hisco Disc Potato Hoe

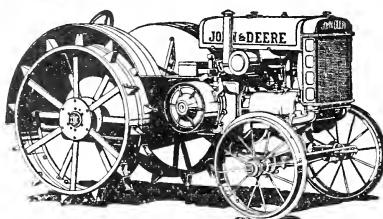
A great many persons prefer the disc type of hoe in preference to the wing. Standards are movable on crossbar to allow spacing of disc.

Equipped with 20-inch disc.

Price, \$16.50

All Prices Subject to Change Without Notice

John Deere Model D 15-27
Kerosene Burning Farm Tractor



The Tractor that Develops More Power with Less Weight

In no other farm tractor built can you find the combination of advantages found in the John Deere.

It contains the very improvements and refinements in tractor construction you have been looking for. It develops greater power with much less weight. The working parts are all enclosed and operate in an oil-tight, dust-proof case. All working parts are bathed in oil automatically. It is simple, compact, low to the ground. Easy to understand, operate and adjust.

A Light-Weight Tractor

The John Deere, developing 15 H.P. on the drawbar and 27 H.P. at the belt, weighs only 3,700 pounds. It will not pack the soil or mire down. This is an important point with every tractor user. The correct distribution of weight provides ample traction to handle loads up to its capacity. The center of gravity being low, gives the John Deere a decided advantage over the ordinary tractor.

Simple Adjustments Easily Made

The clutch brakes, drive chains, taper roller bearings on rear axle and front wheels and the carburetor, all can be adjusted quickly and accurately from the outside of tractor.

Roller and Ball Bearings Reduce Friction

The John Deere is fully equipped with friction-reducing bearings. For example, the rear axle and front wheels are provided with taper roller bearings. The transmission and belt pulley are equipped with roller bearings. The governor shaft and fan shaft operate on frictionless ball bearings.

**Deere Combination Tongue Truck
For Steel Stub Disc Harrow**

The new Deere Combination Truck and Fore Carriage illustrated here-with will fully meet the requirements of all disc harrow users. It is simple, strong and compact in construction. The wheels are solid steel with wide oval tires and with closed bearing boxes.

Can also furnish Tongue Truck to fit any make of Disc Harrow having a wood stub pole.

Improved Stone Boat Front

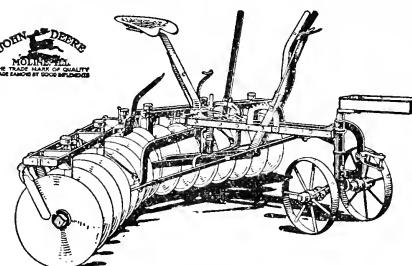


This device enables the farmer to make a stone boat in one hour's time with ordinary straight plank that he may have on the farm. All tools necessary are saw and bit.

This device enables the farmer to make a stone boat in one hour's time with ordinary straight plank that he may have on the farm. All tools necessary are saw and bit.

John Deere Model "B" Disc Harrow

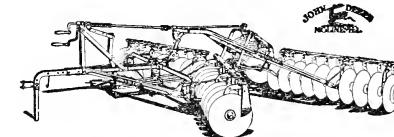
The Flexible, Third-Lever Harrow



Each gang of the Model "B" can be given the proper angle to pulverize under difficult conditions, and can be given light pressure, by means of lever controlling powerful pressure spring and pivoted yoke, to go over ridges without burying harrow at its center; or heavy pressure to penetrate and pulverize in dead furrows and other depressions—no ground is skipped. Strong, all-steel frame; double-bar, riveted, gang frames; oscillating scrapers and unusually convenient grease cups.

Rear gang and hitch can be furnished to convert this harrow into a double action, horse- or tractor-drawn harrow.

**John Deere Model "L" Tractor Disc Harrow
With Yielding Lock Coupling**

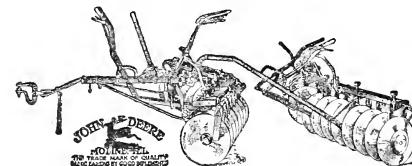


Exclusive yielding lock coupling, special aligning device and pivoted yoke with spring-pressure feature insure a better job of disking entire width of harrow under all field conditions with this harrow.

Yielding lock coupling locks on the straight-away, compelling rear gangs always to cut down ridges left by front discs; yields in turning—no trailing of discs—not skidding around corners.

Flexible harrow. Gangs follow the uneven surface of the ground because they work independently of each other. Either section can be angled from the tractor by means of convenient crank, without stopping or backing. Front gangs can be given light or heavy pressure, by means of a crank and powerful pressure spring.

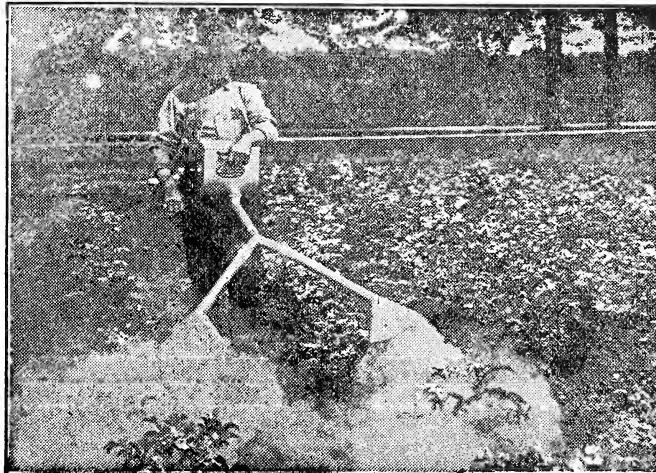
John Deere Pony Tractor Disc Harrow



For use with any standard tractor. Front section, out-throw; rear section, in-throw—making seed bed level and thoroughly pulverized. Double-bar gang frames, unusually strong. Equipped with John Deere yielding lock coupling—rear gangs trail in proper manner—less strain on harrow—easier pull for tractor around corners. Oscillating scrapers.

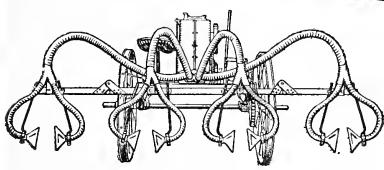
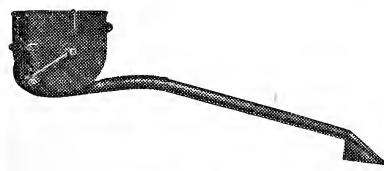
NIAGARA DUSTERS

Niagara
Blower
Dust Gun
Simple
Sturdy
Effective



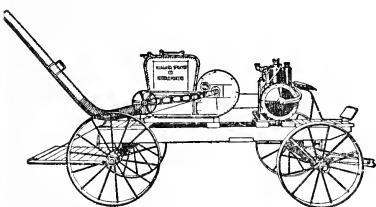
The Ideal
Machine
for controlling
crop pest
on small
acreage

With two nozzles and "Y" attachment one acre of potatoes, celery, and other low crops planted in rows can be effectively covered in an hour.



NIAGARA TRACTION POTATO DUSTER

Dusts $2\frac{1}{2}$ to 3 acres an hour. Aluminum. Operated by chain from axle. Light draw bar pull.



NIAGARA ORCHARD DUSTER,

5-h.p. water cooled motor, and special orchard wagon. Sold separately. Aluminum Dust machine, highest development by pioneer duster makers. Fitted with patented flexible metal hose. Weighs 1,000 lbs., complete. Crop attachment for dusting potatoes, etc., can be supplied.

Dusting Potatoes

Kills Potato Bugs and Leaf Hoppers and Controls Blight

The Niagara Crop Duster, traction operated, will dust 20 acres of potatoes in 8 hours. (Power operated, 30 acres.)

Niagara Dusts are mixtures of Nicotine, Dehydrated Copper Sulphate, Lime and Calcium Arsenate. Nicotine destroys aphids, cucumber beetles, etc.

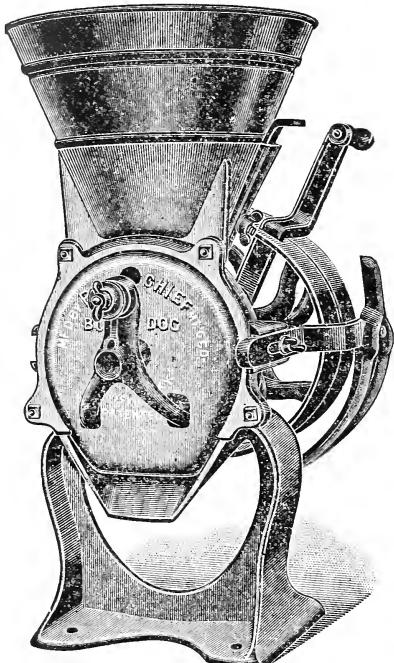
Dehydrated Copper Sulphate (Dry Bordo) controls blight.

Calcium Arsenate and Lead Arsenate quickly poison chewing pests, like potato bugs, worms, asparagus beetles, etc. Sulphur and Copper dusts are foes of Fungi.

Blight, Potato Bugs, Leaf Hoppers, and Aphids are controlled with a fraction of the time and labor of liquid spraying.

Niagara Dust mixtures containing Sulphur, Lead Arsenate, etc., shipped in double bags. Dust mixture containing Nicotine and Copper Sulphate, also Niagara Soluble Sulphur compound shipped in air tight metal drums.

"Red Chief" Power Mill No. 20

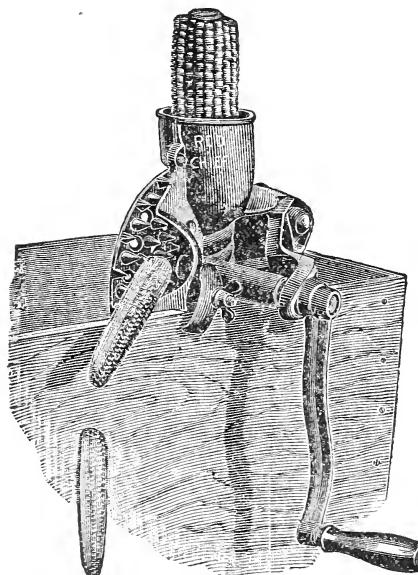


For grinding corn meal, graham flour, stock feed, etc.

With a speed of 300 to 450 revolutions per minute, will grind 10 to 20 bushels feed per hour. Power required, 1½ to 2 horse power engine. Hand Crank for use when engine is not running. Tight and loose pulley, 10 inches in diameter, 2¼-inch face. Reversible belt shift. Feed Regulator.

Price with Stand, \$27.00

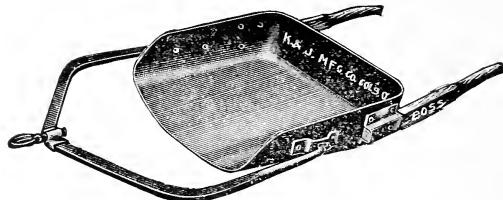
Improved "Red Chief" Hand Corn Sheller
Is Guaranteed to do as Good, if not Better Work, than
any other Sheller on the Market



per, which makes sheller run very easy, no force being required to expand a hopper.

Price, \$4.00

Steel Road Scrapers



They are shaped cold from a single piece of steel lapped and riveted at the corners. They are uniform in thickness throughout except at the corners, where they are of double thickness.

No. 0. Capacity 9 cubic feet, weight 150 lbs.

No. 1. Capacity 7 cubic feet of earth, weight 98 lbs.

No. 2. Capacity 5 cubic feet of earth, weight 90 lbs.

"Red Chief" Rapid Grinding Feed and Grist Mill

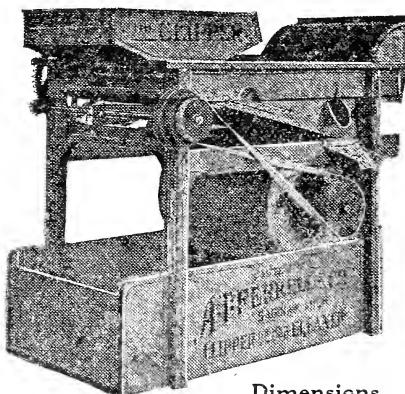
No. 5



With fly wheel. Has same capacity as No. 10. A perfect Hand Power Grinding Mill. The Fly Wheel makes the Mill run steady and with the least possible power to turn it. With the crank extended, there is no mill that will run as easy. Feed Gauge and New Fine Grinding Burr in this mill.

Price, \$5.75

NEW NO. 1-B CLIPPER
GRAIN, SEED AND BEAN CLEANER



Capacity

Wheat and other grain, 20 bushels per hour.

Clover and other seed, 10 bushels per hour.

Screen length including spreading board, 29 in.

Screens 19 in. wide, 22½ in. long.

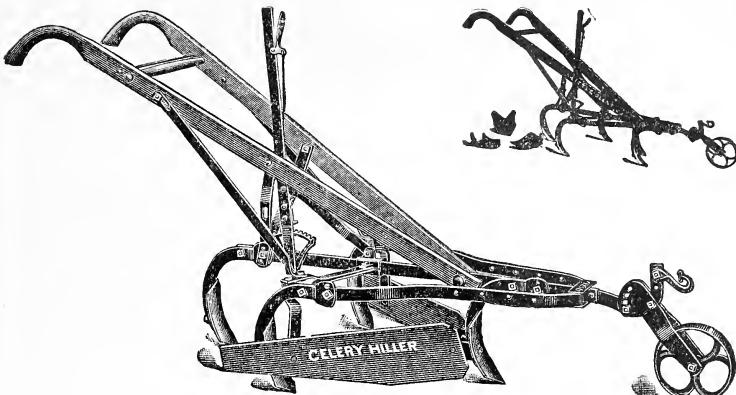
Dimensions

Length.....	4 ft. 8 in.
Width.....	2 ft. 2 in.
Height.....	3 ft. 8 in.
Shipping weight, 185 lbs.	

Write for complete descriptive folder and prices

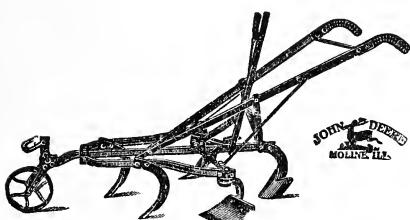
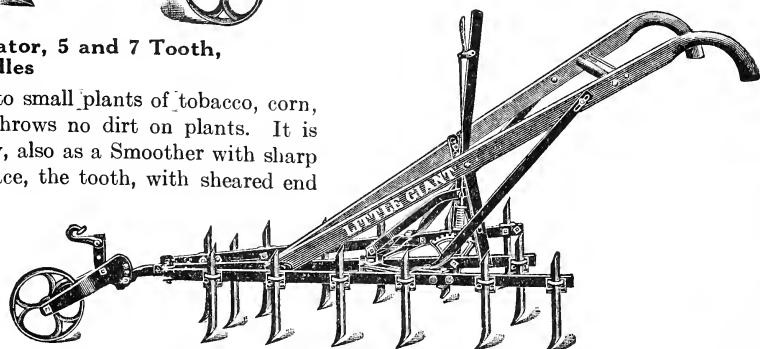
All Prices Subject to Change Without Notice

Little Giant Walking Cultivators



Little Giant Steel Walking Cultivator, 5 and 7 Tooth, with Wood Handles

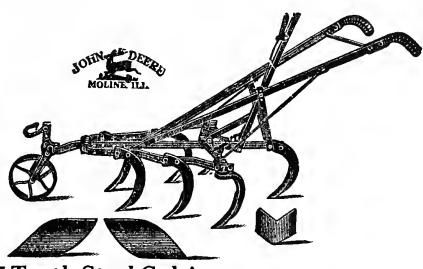
This tool is used for working very closely to small plants of tobacco, corn, potatoes, etc. It thoroughly pulverizes, but throws no dirt on plants. It is also used as a Straight Diamond Tooth Harrow, also as a Smoother with sharp points down in order to cut and level the surface, the tooth, with sheared end down, being less liable to injure young plants when smoothing over corn, potatoes, etc. **For very close work every other tooth can be quickly removed.** 14 Tooth Little Giant with lever and gauge wheel. **Price, \$8.00**



5 Tooth Steel Cultivator

No. 306. 5 Tooth with lever and gauge wheel. **Price, \$8.00**

Same high-grade construction as the 5 tooth and having two more teeth.



7 Tooth Steel Cultivator

No. 314. 7 tooth with lever and gauge wheel. **Price, \$9.00**

Horse Hoe Attachment, for 5 or 7 tooth..... 2.25
Long Hiller Attachment, for 5 or 7 tooth..... 3.75

All Prices Subject to Change Without Notice

5 Tooth Little Giant with lever and gauge wheel. **Price, \$8.00**

7 Tooth Little Giant with lever and gauge wheel. **Price, \$9.00**

Horse hoe cultivator for 5 or 7 tooth **Price, \$2.00**

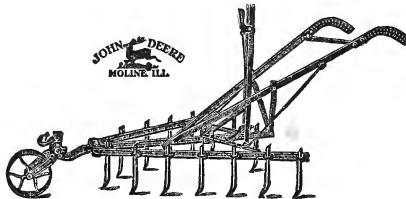
Celery hiller attachment for 5 or 7 tooth. **Price, \$3.50**

John Deere Steel Walking Cultivators

Because of the steel and malleable construction these Cultivators are very durable and free from breakage. Furnished with Horse Hoes or Long Hillers.

No. 306. 5 Tooth with lever and gauge wheel. **Price, \$8.00**

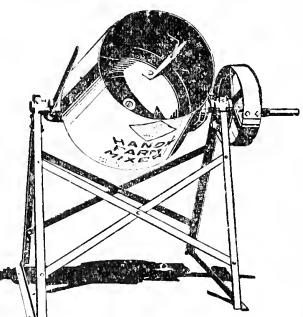
Deere Steel 14 Tooth Cultivator



No. 320. 14 Tooth lever and gauge wheel. **Price, \$8.00**

Deere Handy Farm Mixer

It will mix Concrete, Fertilizer, Stock and Chicken Feed. It will wash Potatoes, Beets and other root crops. Every farm owner has ideas of improving his farm, increasing its value not only by increased fertility of the soil, but also by the addition of permanent farm structures. Concrete forms the cheapest and best foundation for all improvements.

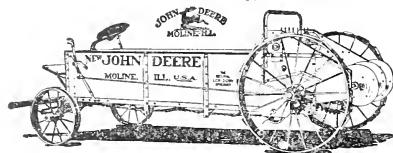


All Metal Construction

Steel and iron are the materials that make the Handy Mixer. Simple Gear Drive. Sturdy, powerful gear-drive construction. Drum 22 in. diameter, 21 in. deep, 17 in. opening. Capacity, wheelbarrow load. Weight, 180 lbs.

NEW JOHN DEERE

The Low-Down Spreader with the Beater on the Axle
and the Box-Roll Turn, Narrow Type--
Tight Bottom



away with high pitching, the hard part of loading; it saves work.

The beater on the axle, which permits lowering the rear end of the box, because the axle is not underneath it. In accomplishing this desired result, it has not been necessary to reduce the height of the drive wheels, neither is it necessary to throw the manure over the drive wheels in loading.

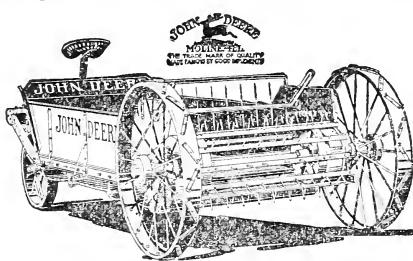
The Box-Roll Turn, which permits short turning without cutting the front wheels under the box, gives you a box that is exceptionally low and easy to fill.

Don't forget, the New John Deere Spreader is the only spreader built that has the beater on the axle and the box-roll turn. Both are exclusive features which are of real value to you.

Roller-bearing equipment at both ends of all three beaters reduces draft and wear at these important points.

A tapered box—wider at the rear—does away with friction between manure and box sides as the load moves toward the beaters.

John Deere Manure and Straw Spreader The Spreader with the Beater on the Axle



The Low-Down Spreader with the High Drive Wheels

Easier on the Man. Only 36 inches to the top of box—6 to 10 inches lower than other spreaders—a big time- and labor-saving feature.

Easier on the Horses. The high wheels on this spreader, from 4 to 8 inches higher than used on other spreaders, give it a light-draft advantage.

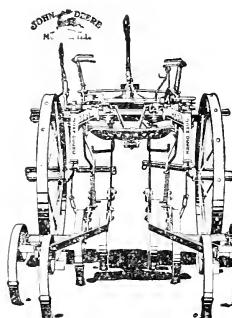
The load of manure, which in itself weighs a ton on the average, is moved back to the beater on an apron which runs on many rollers—the load is not dragged.

The location of the beater in relation to the apron is such that the teeth engage the manure as it is fed to them in practically a horizontal position—they do not work against the load as it moves backward.

Does a Better Job of Spreading. You can load the John Deere just right for the most effective spreading—flat on top and from the front to the rear.

John Deere K H Riding Cultivator

177—8 Shovel Spring Tooth



When you are in the field with the John Deere K H Cultivator, you are equipped for clean cultivation in rows of any width from 30 to 48 inches.

Balances Perfectly

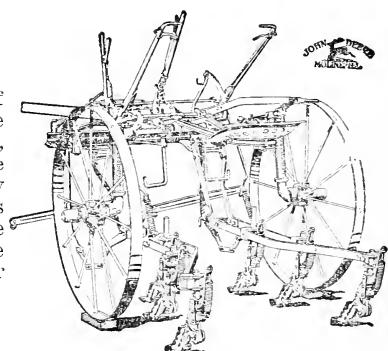
With the master lever, you raise or lower both rigs. When the rigs are raised for turning, the cultivator is perfectly balanced. The pole does not fly up. When you lower the rigs by releasing the master lever, all shovels enter the ground level.

Full Width Cut, Always

The rigs shift parallel. That means that the sweeps or shovels on both rigs always point straight ahead in the direction in which the cultivator is travelling and cut out full width of the rigs.

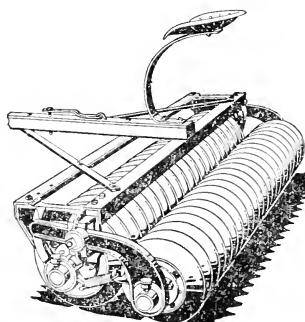
Shovels Penetrate Hard Soil

The hitch of the K H is of the drop, or pendant, style; pull of the team is directly on the rigs, thus bringing the draft in the proper place for penetration.



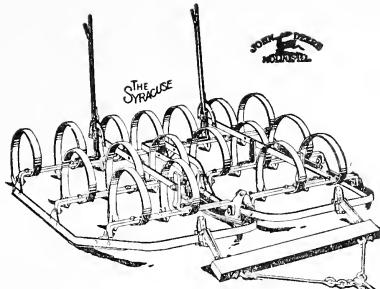
176—8 Shovel Spring Trip

Brillion Soil Pulverizer and Packer



This implement crushes, pulverizes and packs the soil so that moisture is conserved, germination hastened—soil-blowing and washing are prevented and weeds killed. Strong steel frame; V-shaped or tooth wheel sections; self-aligning roller bearings. Steel axles. Various styles and sizes for either horses or tractor.

All Prices Subject to Change Without Notice

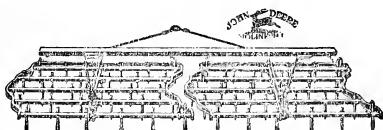


Spring Tooth Harrows

This harrow's sharp-pointed penetrating teeth work the seed bed from the bottom to the top. They tear out underground roots, stems and weeds, bringing them to the surface, mix and fine the seed bed. Non-clogging. Any number of sections can be combined. Reversible levers for use at front of harrow and tractor hitch for easy operation with tractor.

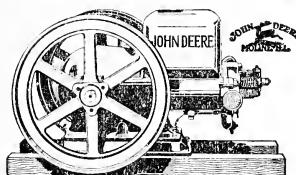
15 Tooth, two horse.....	\$24.00
17 Tooth, two horse.....	25.50
10 Tooth, one horse, top handles.....	19.50
10 Tooth, one horse, less handles.....	16.00
9 Tooth, one horse, less handles.....	15.00

Deere Universal Spike Tooth Harrow



Made of steel throughout which gives strength without useless weight. The lever allows the teeth to be angled in any desired position and is also provided with a spring trip, allowing the teeth to give in stony or rooty ground. One Section, 30 Teeth, One Horse.....\$11.00
Two Sections, 60 Teeth, Two Horse.....\$23.00

John Deere Type E Gasoline Engine
The Enclosed Engine that Oils Itself

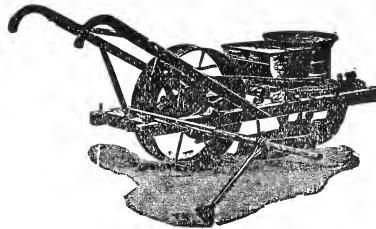


The John Deere Type E puts the farm engine now on the same high plane in design and construction with other modern power machinery. The complete enclosure of its operating parts and its automatic oiling system, while outstanding features, are but two of the many improvements that make it a profitable investment for every farmer.

Type E engines are built in three sizes. 1 1/2 H. P. furnished with Magneto or Battery Equipment. 3 H. P. and 6 H. P. with Magneto only.

All Prices Subject to Change Without Notice

King of the Corn Field Planter



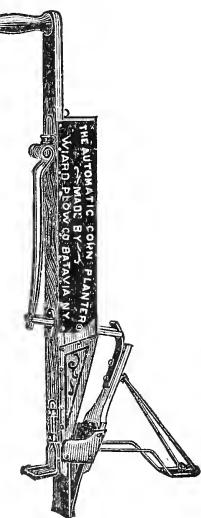
This Corn Planter has been for years one of the leading machines for planting corn, beans, peas, beets and other seeds used throughout this territory. It is equipped with fertilizer distributor, and is perfectly adapted to all requirements of this section.

It can be arranged to drop any desired quantity of seed or fertilizer; can also be used for planting corn and beans at the same time, dropping each kind of seed in rotation.

The Automatic Hand Corn Planter

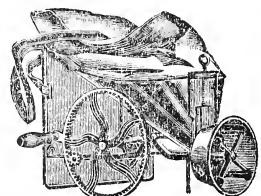
In the Automatic Corn Planter are Combined all the latest and best improvements

yet made in implements of this character. In this planter the seed is delivered from the dropper to the receptacle at the bottom, which, when opened by pressing over on the foot, leaves it at once at the depth required, avoiding the trouble found with all hand planters that deliver the seed direct from the dropper to the soil. It also has a most convenient attachment for regulating the depth of planting; this can be raised or lowered in a moment and insures delivery of seed at precisely the depth required, whether the soil be hard or mellow.



Cahoon Seed Sower

Will sow all kinds of grass and grain seeds from four to eight acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far. Price, \$5.00; Postpaid, \$5.15

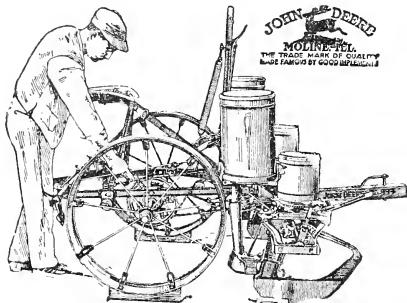


Cyclone Seed Sower

This sower is guaranteed to distribute all grass seeds and grains perfectly even and directly to the land. Sows grass seed from 18 to 20 feet and grains a longer distance.

Price, \$2.25; Postpaid, \$2.40

John Deere No. 999 Corn Planter



No. 999 with Fertilizer

Equipped with John Deere Natural Cell-Fill, edge-delivery seed plates—a dropping device just as accurate as the human hand.

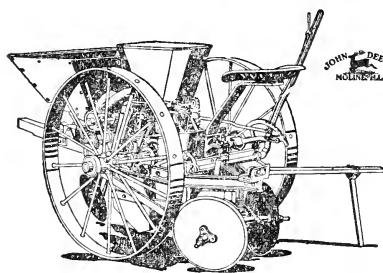
Variable-Drop Device—a great feature—enables you instantly to change the drop to meet varying conditions of soil in the same field. By merely shifting a foot lever, without leaving the seat or even stopping the team, you can change the drop to two, three or four kernels per hill—always the exact number desired.

999 Fertilizer Attachment

Fertilizer attachment handles any standard fertilizer, any quantity up to 700 pounds per acre.

Fertilizer can be checked with each hill of corn or drilled along the row while corn is being checked.

Hoover Visible Potato Planter with Fertilizer Attachment



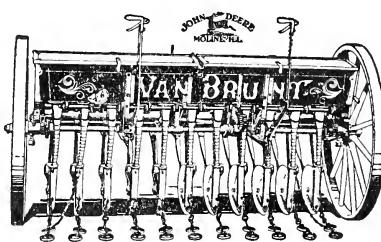
The Hoover is noted for its accuracy in dropping potatoes. Agitator in hopper prevents potatoes from bridging. Hopper holds $2\frac{1}{2}$ bushels. Positive feed wheel elevates potatoes to the picking chamber. Speed of this wheel is easily con-

trolled to keep the right amount of seed in the picking chamber; picking chamber concaves hold seed properly for the pickers. Adjusting springs give the right pressure on the seed to get best results.

VAN BRUNT FERTILIZER DISC DRILL

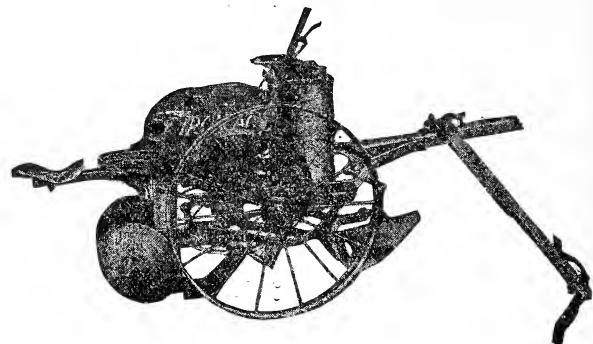
Light Weight **Light Draft** **Force Feed**
Spring Pressure **Large Capacity**
Even Seeding in Furrows of Uniform Depth. No Ground or Seed Wasted.

The drill that puts any seed, from alfalfa to bearded oats, at the bottom of furrows of even depth, without choking up and failing to sow part of the field or planting too much in other parts. All grain is ready for harvest at one time. Any standard fertilizer is handled by the Van Brunt just as accurately as seed. **Send for Booklet.**



Improved Robbins' Potato Planter

The 100 Per Cent. Potato Planter

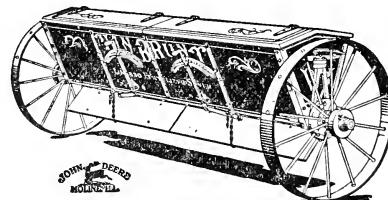


It is results that count in potato culture—the net return in dollars and cents. At the same time there is a lot of satisfaction in a clean field with straight rows and **every hill planted**. It is the sign of a practical farmer. The right start is half the race and here it is—an automatic

machine planter that places every seed piece exactly as you want it

without a miss or a double and without injury. The result is, every hill planted at the right depth, the right distance apart and covered level or ridged. Has a very positive and successful fertilizer attachment that will handle all kinds of commercial fertilizers.

Van Brunt Lime and Fertilizer Sower with Oscillating Agitators

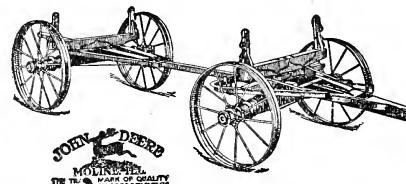


The Van Brunt Lime and Fertilizer Sower is built in the standard size to cover eight feet of ground, with a carrying capacity of ten bushels. For strength, durability and simplicity it is unexcelled.

This sower has 36-inch steel wheels with staggered spokes, heavy wide rims, removable dust-proof boxings, and compression grease cups with chilled wheel bearings.

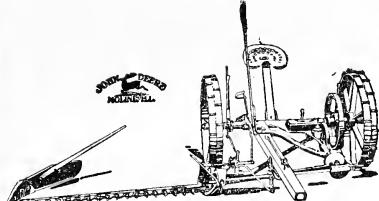
The hopper is exceptionally strong, of selected well-seasoned matched lumber; steel ends with angle steel corners, thoroughly braced; close-fitting covers and removable screens. **Send for Booklet.**

John Deere Farm Trucks



In price, strength, draft and finish, John Deere farm trucks give exceptional satisfaction. They stand hard usage year after year because they are built right and in a factory that has an established reputation for making only the best wagons and trucks. The same careful workmanship and the same well-seasoned, selected oak and hickory are used in their construction as are used in the famous John Deere Farm Wagons. We can furnish trucks with either wood or steel wheels, in various styles.

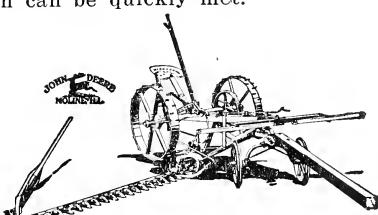
John Deere High-Lift Mower



No. 2 Mower, 5, 6 and 7 ft. cut

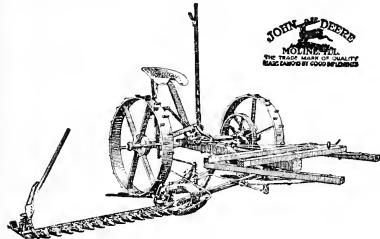
will appreciate the quickness and every field condition can be quickly met.

Its durable and simple construction; the ease with which adjustments can be made to keep it in good running order; the ease with which repairs can be made—these qualities too, built into this light-draft, high-lift mower, will prove your good judgment in your selection.



No. 2 Mower with Tongue Truck

extra high lift with foot and hand lever combined. Flexible cutter bar. Easy to keep in perfect cutting order.

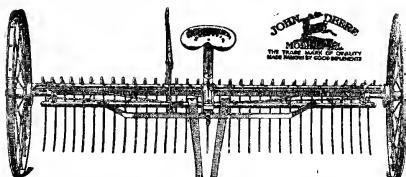


4 Ft. One Horse Mower

extra high lift with foot and hand lever combined. Flexible cutter bar. Easy to keep in perfect cutting order.

Powerful cutting mower—compensating drive gears—set offsets thrust of other set—eliminates side wear and insures maximum power. High lift with foot lever and extra high lift with foot and hand lever combined. Flexible cutter bar. Easy to keep in perfect cutting order.

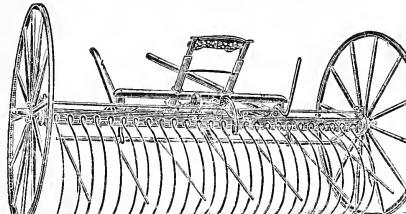
John Deere Self-Dump Sulky Rake



wear with no repair expense. Arched steel axles give wheels proper pitch and gather at all times. Foot trip secures instant dumping.

Made in 8-, 9-, 10- and 12-Foot Widths.

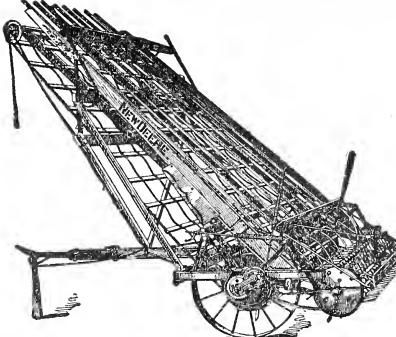
New York Champion Wood Rake



to our customers who do not desire a steel rake.

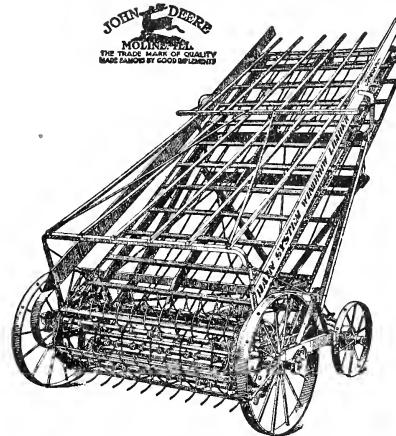
For years the New York Rake has been the best known and most successful wood rake in this locality. We would certainly recommend the above

New Deere Hay Loader



The loader with the flexible floated gathering cylinder. Successfully handles anything from the lightest swath to heaviest windrow. Does not dig into the ground surface, but rakes the ground clean and gathers no trash. A steady stream of hay is put onto the wagon without damaging the hay. The New Deere automatically adjusts itself to any amount of hay. Wheelbarrow mount prevents sagging and spreading. Automatic hitch and your ability to unhitch from top of load are additional advantages.

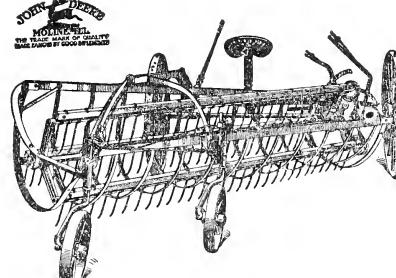
John Deere-Dain System Windrow Hay Loader



Especially adapted to handling hay air-cured in the windrow. Good capacity and good work. Handles alfalfa, clover, beans and similar tender hay without loss of leaves. Only one cylinder—lighter than a double-cylinder loader. Drum is mounted on the axle. Especially adapted to hilly

countries because of very light draft. Pivoted front truck makes handling easy—a boy can do it. Large expandable throat openings and slow speed of raking teeth prevent beating and threshing hay. Rakes only clean hay, because it has flexible teeth, and the hay is placed in the center of the wagon.

John Deere-Dain System Rake



Cure hay nature's way with the John Deere-Dain System Rake. Preserve its natural color and richness of foliage. You can follow the mower closely with this rake. The steady motion of the curved teeth

throws the hay into loose, fluffy windrows, through which the air readily passes. It does the work without damaging the hay. The inclined frame gives increased capacity at point where volume of hay handled is greatest. All adjustments can be made from the seat with the rake in motion.



The New "Bufco" Forge With 18 in.-22 in. Hearth

The advantages of the hand-crank blower over the old lever and wheel types are well known. Until the perfection of the "Bufco" blower, however, the cost of the crank type has often been prohibitive.

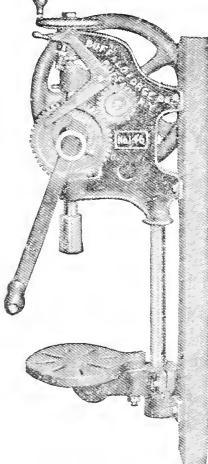
The new "Bufco" has smoothed out the difficulties. It is a small blower of new design with a gear ratio of 36 to 1, steel spur gears throughout, a one-piece gear case, which is oil and dust tight, and

a 5½ inch straight blade fan in a 7½ inch fan case. The fan is made of sheet steel, and is powerful enough to furnish a strong blast with little effort.

The old agricultural type forge will soon be obsolete, now that the "Bufco" can be had in the following:

"Bufco" 061, 18 in. diameter of Hearth, Shield type of hood, 85 lbs. shipping weight. Price, \$12.50

"Buffalo" No. 611 Ball Bearing Drill



The frame of this drill is strongly ribbed and will withstand extremely rough handling.

Shaft and spindle of steel, extra heavy and carefully finished.

Bearings are bored and reamed in the solid metal of the frame. This insures smooth, easy running.

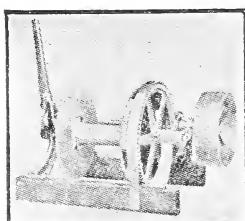
Gears are carefully made and fitted. Has hand and automatic feeds.

A round, slotted table is provided, which can be adjusted to any position—up, down or sideways.

SPECIFICATIONS

Drills to center of 11 inch circle; drills holes up to ¾ inch; spindle diameter 7/8 inch; run of feed 3 inch; run of table 9 inch; length over all 33 inches; shipping weight 63 lbs.

Spindle drilled for ½-inch straight shank bit. On special order, furnished also for 5/8 or ¾-inch. Price, \$12.00



The Ireland Geared Hoist

A powerful machine that saves time and labor in storing hay and in other hoisting. Used in connection with harpoon fork or sling. Attach it to your own engine. Safe and easy to operate. Instant control.

Type C—Single Drum With Brake

Type C has bevel automatic brake rim on drum, which automatically engages with adjustable brake locks, thus holding load at any desired point, without attention. Brake may be rendered inoperative so drum may turn freely.

Steel Land Roller

Seed will not grow in soil that is cloddy, dry and hard—you know that. And there is no sure way of telling whether your soil will be left in that condition this year because of a continued spell of dry weather. Roll down those clods and you will have a seed-bed that will grow your costly seed.

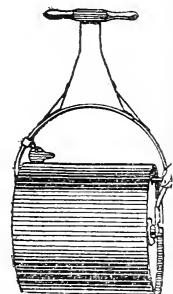


The farmers prefer a steel roller to a wooden one because it is more durable and easy running. The Roller frame is of angle steel. The axle is of 1 7/8 inch steel shafting and turns in hard maple boxes.

Water Ballast Lawn Roller

**Light Running,
Round Edge Drums**

No tearing up of sod



Can be filled with either water or sand

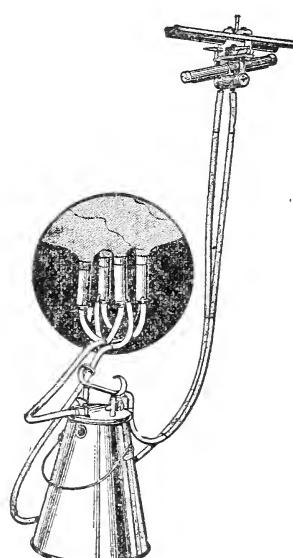
No. 603. 24 in. in diameter, 24 in. long, weight empty, 110 lbs.; filled with water, 420 lbs. Price, \$20.00

No. 604. 24 in. diameter, 32 in. long, weight empty, 130 lbs.; filled with water, 566 lbs. Price, \$23.00

No. 605. 14 in. diameter, 24 in. long, weight empty, 68 lbs.; filled with water, 175 lbs. Price, \$13.00

No. 606. 18 in. diameter, 24 in. long, weight empty, 82 lbs.; filled with water, 265 lbs. Price, \$15.00

The Sharples Mechanical Milker



Every man keeping a fair sized dairy should be interested in this milker for the following reasons:

First—The cost of milking cows can be reduced seventy-five per cent.

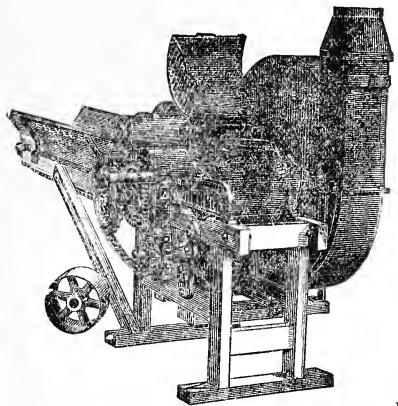
Second—One operator and one boy, to milk and assist, can properly milk one hundred cows in less than two hours.

Third—The improvement in the cow's condition resulting from the thorough, quick, gentle and regular work of the milker will induce an increased milk production.

Fourth—A far purer product; lower bacterial count and more valuable milk is assured, because all stable air is entirely excluded and the milking parts are so easily and thoroughly cleansed.

Send for Catalog and Detailed Information

Silver's "Ohio" Light Draft Silo Fillers with Suction Blower



Direct Drive. Drive pulley, cutting cylinder and fan wheel all on main shaft utilizes every ounce of power.

Patented Friction Reverse. By the use of a single lever all moving parts except knife cylinder, can be instantly stopped, started or reversed without the slightest strain. Not a gear tooth changes mesh in reversing.

Accessibility. Knives and cutter bar can be readily removed for sharpening or replacement without disturbing other parts.

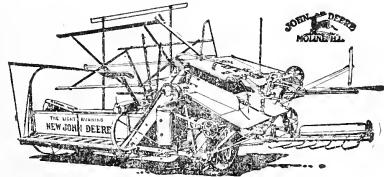
Special Features of No. 40, No. 60 and No. 90

No. 40—Ohio Blower with traveling feed table; with 9-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 790 lbs.

No. 60—Ohio Blower with traveling feed table; with 11-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 835 lbs.

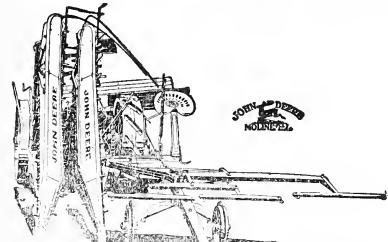
No. 90—Ohio Blower with traveling feed table; with 13-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 900 lbs.

John Deere Grain Binder



self-aligning bearings. Knotter has case-hardened wearing parts. Outer reel support. An easily operated and adjusted bundle carrier. Equipped with all-steel, quick-turn tongue truck that takes neck weight and side draft from horses. A light-draft, easily-operated binder.

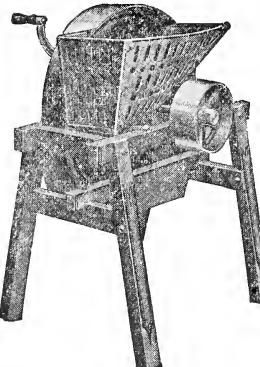
John Deere Corn Binder



The binder with quick-turn tongue truck. Quick-turn tongue truck takes off neck weight and permits quick and easy turning at ends. All important parts are equipped with

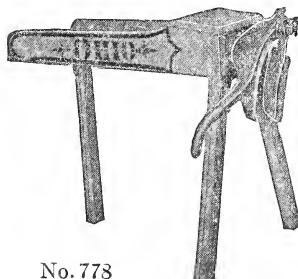
roller bearings. A light-draft and long-lived machine.

Ohio "Rapid" Root Cutter and Pulper



No. 832

Ohio Lever Cutter



No. 778

The knives are double-edged and reversible, one being straight, for slicing, the other edge being grooved, thus dividing it into separate bits for pulping.

Capacity — Capacity per hour, slicing or pulping, hand, 30 bushels; power, 125 bushels.

Pulley—Size of pulley for power, 10 x 4 in. Weight, 215 lbs.

No. 832 Root Cutter and Pulper, 6 knives, for hand or power.....\$25.00

The "Ohio" Lever Cutter will cut hay, straw, corn stalks and every kind of feed. It is equipped with one 11-in. oil-tempered knife; also provided with a guard plate, adjustable to vary the lengths of cut.

No. 778 "Ohio" Lever Cutter, weight 55 lbs. \$6.00

Pony Hand Feed Cutter



No. 783

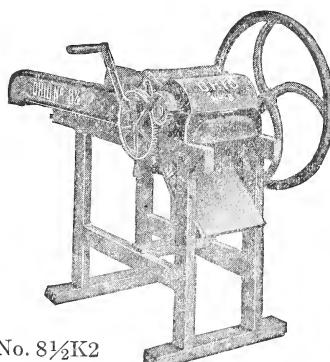
The Pony Cutter, as illustrated below, is strictly a hand machine.

A bushel of hay can be cut in thirty-five seconds. Cuts all kinds of feed. Only high-grade material is used, and makes it a strong and efficient cutter.

No. 783. One 11½ in. knife cut $\frac{1}{2}$ to 2 in. Weight 165 lbs.

\$23.00

Ohio Hand Feed Cutter

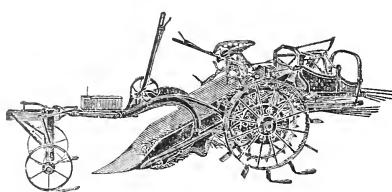


No. 8½K2

For the man with only one or a few head of stock, who wants an easy running machine that will cut any of his rough feed, this style "Ohio" will fit his needs and his purse.

No. 8½ K2. Two 8½ in. knives for hand use only. Cuts $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch lengths. Weight 175 lbs. Price, \$32.00

John Deere-Hoover Potato Digger



even greater prestige. The Hoover line of potato machinery now has behind it the strength of the John Deere organization, makers of quality farm implements for nearly a century.

John Deere-Hoover Potato Diggers have exclusive features which enable them to deliver the crop in better condition, run lighter, last longer and operate more efficiently under all conditions.

Do Not Damage Potatoes

The rod type of elevator made of manganese steel elevates the potatoes without rolling and bruising them. The elevator is of original Hoover design with the links alternately raised and lowered. This tends to lighten the draft, prolongs the life of the digger, removes the dirt to best advantage, and leaves the potatoes in better condition.

YUKON FEED COOKER AND WATER HEATER



down one inch on the inside of the furnace which makes it impossible to get out of position.

The body forming the fire box of the cooker is also made of 16-gauge blue annealed steel. The grate is furnished so that either wood or coal can be used.

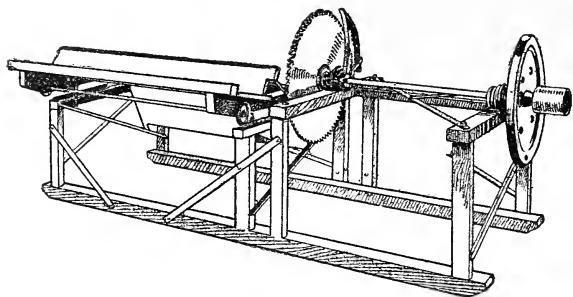
The fire door is large enough to admit chunks 10 in. square. Furnace sits on legs like a stove, making it perfectly safe to use in a building; burns cobs, wood or coal.

No.	Capacity Gallons	Width Inches	Length Inches	Depth Inches	Weight With Comp. Grate	Price
240W	40	22	30	14	210	\$24.50
260W	60	22	36	17	225	27.50

One joint of 6 in. pipe and elbow furnished with each cooker.

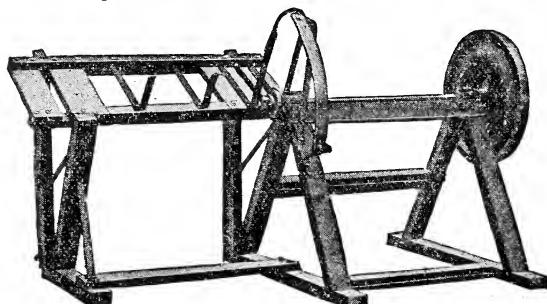
All Prices Subject to Change Without Notice

The name of Hoover on potato machinery has been a symbol of quality for many years. Linked with the name John Deere, the combination is one that carries



Gray Farrow Saw Table
Send for Circular and Price

Improved Wood and Pole Saw Frames



Tilting Table Wood Saw Frame With Pole Extension

Prices of Tables Without Saws

Tilting Table Wood Saw.....	\$28.00
Tilting Table Wood Saw with Pole Extension.....	31.00
Tilting Table Pole Saw.....	38.50
Tilting Table Wood Saw Irons.....	28.00

Jones Circular Saws

20-inch, set and sharpened.....	\$3.25
24-inch, set and sharpened.....	4.50
26-inch, set and sharpened.....	5.25
28-inch, set and sharpened.....	6.00
30-inch, set and sharpened.....	6.85
32-inch, set and sharpened.....	8.00

Farmers' Favorite Cooker

DESCRIPTION

The top section or boiler, is made of heavy galvanized steel that will not rust, and is also provided with four heavy tinned malleable iron drop handles.

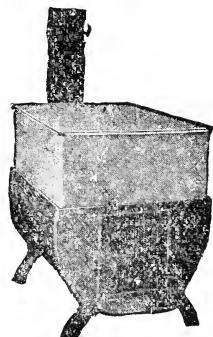
This sets down inside the lower section one inch, thus making it impossible for the boiler to slip to one side and tip over, as when on top of furnace.

The lower section of furnace is made with cast iron ends, and the center, or body, of heavy steel plate.

With this construction the entire surface of the boiler is exposed to the heat, thus making it a very quick heater.

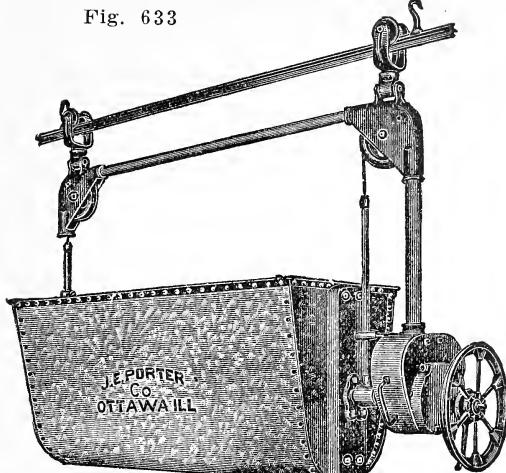
No. 2. 30 Gallon.

Price, \$20.00



Porter Litter Carrier

Fig. 633



The Porter Geared Hoist Litter Carrier, Fig. 633, is the only litter carrier on the market made with geared hoist and is an exclusive Porter product.

It has numerous exclusive features. Simplicity in design and operation means that there is no maintenance expense, and installation is both practical and reliable. The proper gear ratio enables the load to be elevated readily without sacrificing speed.

Hopper is made of 20 gauge galvanized steel. Width, 24 in.; depth, 22 in.; length, 48 in. Capacity, 10 bushels.

Porter Fig. 888

Automatic Drinking Bowl construction. Waterway, clamp and bowl made of close grained grey iron, guaranteed water tight. Pressure plate made of certified malleable iron. Waterway tapped for $\frac{3}{4}$ in. pipe, and has solid brass seat swedged firmly in place. Weight 8 $\frac{1}{2}$ lbs.

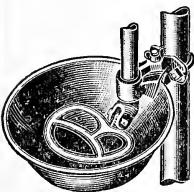
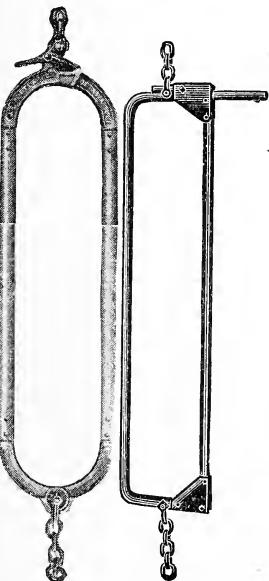


Fig. 888



Porter Cow Stanchions

No. 20 is made of Tubular steel and there are no sharp corners to injure the animal's neck. The inside width is about 7 $\frac{1}{4}$ in., which adapts this stanchion for practically all breeds of cattle.

No. 884 is made of U bar steel, light in weight and adjustable.

No. 20

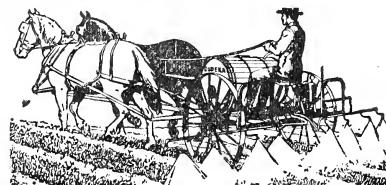
No. 884

EUREKA Traction Sprayer

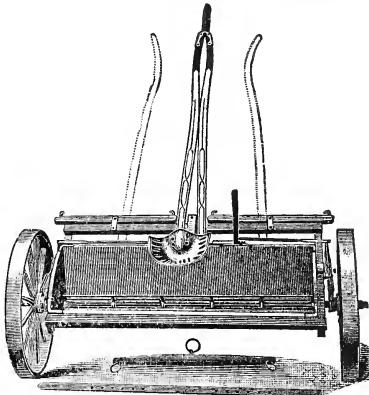
Does the biggest, most necessary job in crop raising. Insures investment in crops and increases yield from 50 to 100 per cent. Eliminates bugs, mold and blight. Quickly sprays potatoes, tomatoes, garden truck, cabbage, cucumbers, pickles, tobacco, beans, sugar beets, celery, etc.

The Eureka has 1, 2, or 3 nozzles per row and 4, 6 or more rows per boom. Wheels adjustable to various width rows. 60 to 100 gal. tanks with double or triple action pumps. May be equipped for spraying orchards and bushes.

Write today for catalogue on Eureka Sprayers and Potato Machines.



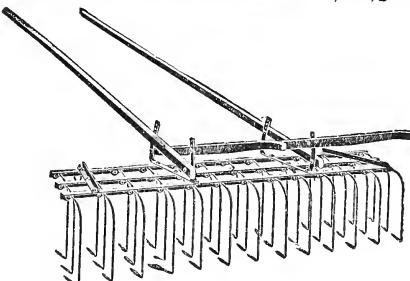
Stevens Fertilizer Sower



This sower combines strength, simplicity and durability. Will sow all kinds of fertilizers either broadcast or in rows. Equipped with long gauge, giving approximate amount sowed per acre.

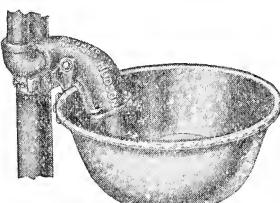
Size, 8 ft.; capacity, 9 bu.; weight, 540 lbs.

Hallock Type Horse Drawn Weeder, 7 $\frac{1}{2}$ Feet Long



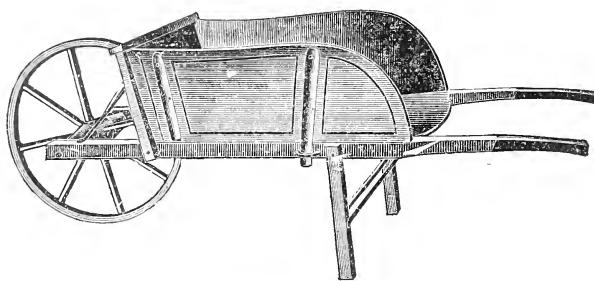
Hudson Steel Water Bowl.

No. 99 pressed steel Water Bowl is made of 14 gauge steel, formed with a heavy rolled rim and galvanized afterwards. Size 4 $\frac{1}{2}$ in. deep, 10 in. across the top. Valve is easily and quickly removable. Weight, 6 $\frac{1}{2}$ lbs.

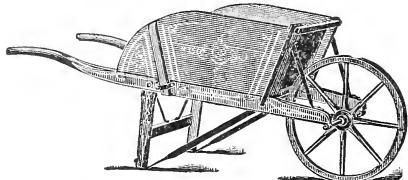


No. 99

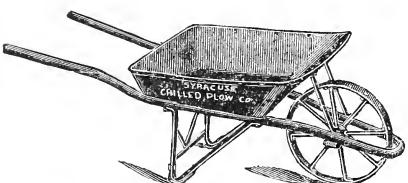
Paris Wheelbarrows



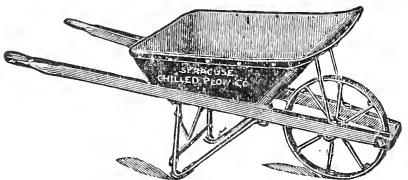
A most complete line of all sizes.



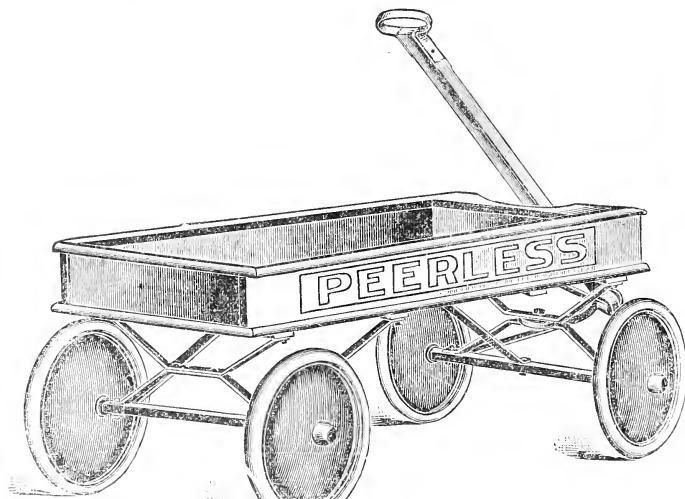
Garden Barrows
No. 4. Medium Price, \$7.50
No. 5. Large Price, \$8.00



Dump Barrows
A02. All steel.
3 cubic feet.
Weight, 60 lbs.
Price, \$9.25



75A. Steel tray and wheel. Wood handles. 3½ cubic feet. Weight, 70 lbs.
Price, \$8.00

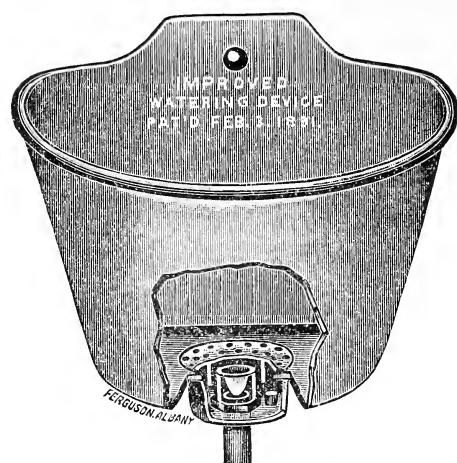


Peerless Coaster Wagon

We also carry several styles and sizes of Paris Coaster Wagons.

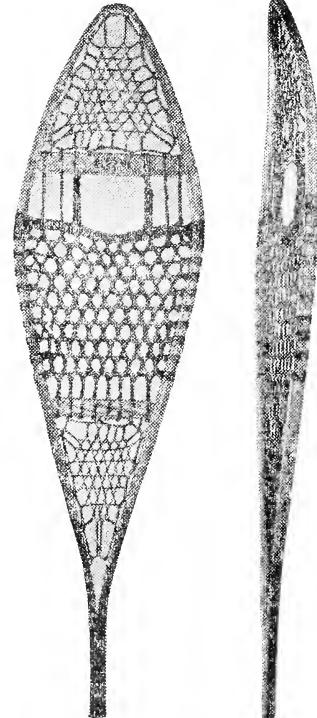
All Prices Subject to Change Without Notice

Buckley Watering Device



No. 3 Stanchion Basin

Gravity System Illustration shows the general application of this system, but brief description will be necessary to demonstrate its importance, usefulness and simplicity. On application we will mail descriptive catalogue with testimonials, etc.

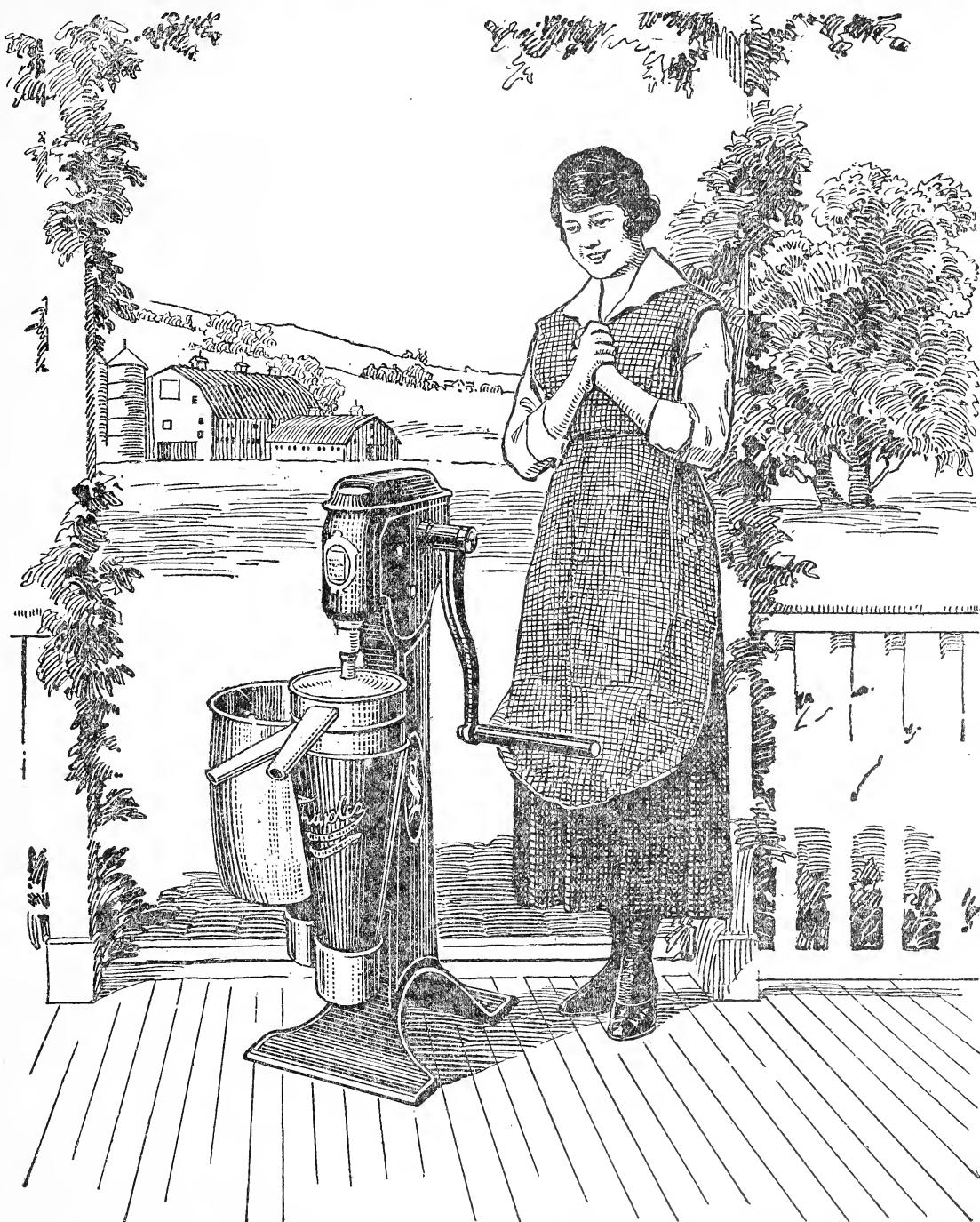


Oxford Snow Shoes
Style No. 50



Oxford Skis

Sharples Suction Feed Separator



REASONS WHY MILLIONS OF FARMERS USE THE SHARPLES:

Easy To Clean—Simple Bowl—No Discs To Wash

Knee-Low Supply Tank—Automatic Oiling System, Oil Once a Month Only

WRITE FOR FULL DESCRIPTIVE CATALOG

INDEX

PIPELESS CALORIC FURNACE

TRADE
MARK
REGD

TRADE
MARK
REGD

Wide, strong flange for floor connection. The register will support a weight of 2,000 pounds.

The return air pipe can be adjusted to any basement height of 6 feet or more.

Absence of angles reduces friction and prevents pocketing of air. This increases the volume of air that passes in and out of the CaloriC furnace.

This insulating air chamber acts as a positive division between the bodies of warm and return air. This patented construction prevents the radiation of heat to the basement. The air is constantly circulating through this channel, Patent No. 1346801.

Casing and caps are drawn together by special lugs to make an extremely tight fit. No cellar dust or ashes can be drawn in through these joints.

The absence of sharp angles in the air and fire travel adds materially to the heating efficiency and saves fuel. The famous CaloriC double-ribbed firepot is made of the best grade of pig iron and insured for a period of 5 years by the CaloriC Mon-ey-back Guarantee.

The insulating chamber ends at a proper height from the base of the CaloriC, permitting a free and easy flow of return air to the hot castings. Inside casing is one inch longer to deflect ample supply of cool air into circulating air channel.

The sturdy braces and supports make the CaloriC the most rigid type. This construction prevents warping and holds the inner and outer casings an equal distance apart.

The combination register, copper oxidized and beautifully finished. The CaloriC name in center is your guarantee. The proper ratio of the warm air outlet to the return air section has been carefully determined after years of tests and experiments.

The large scientifically proportioned air passages of the CaloriC give it a greater heating capacity than any other warm-air furnace.

Large, straight channel insures an adequate supply of return air, so essential to great capacity and efficiency.

This patented CaloriC division plate makes possible the straight flush front construction, and provides for an equal circulation of return air through the four sides of register. This exclusive feature insures a cool cellar. Imitators dare not copy this design.

The Caloric radiator is placed directly in the center of the CaloriC where the greatest volume of heat is generated and distributed through the center of the register.

Handy cleanout for removal of soot.

Outside shaker handle is convenient and easily operated from standing position. Eliminates dust from cellar.

Tight fitting fuel door prevents escape of smoke and gas.

The CaloriC water pan is large and properly placed so that the heated castings evaporate the water rapidly. This produces a balm, moist, warm air, conducive to good health. The pan is low and easy to fill.

The ashpit door is dust-proof and contains an easily regulated damper.

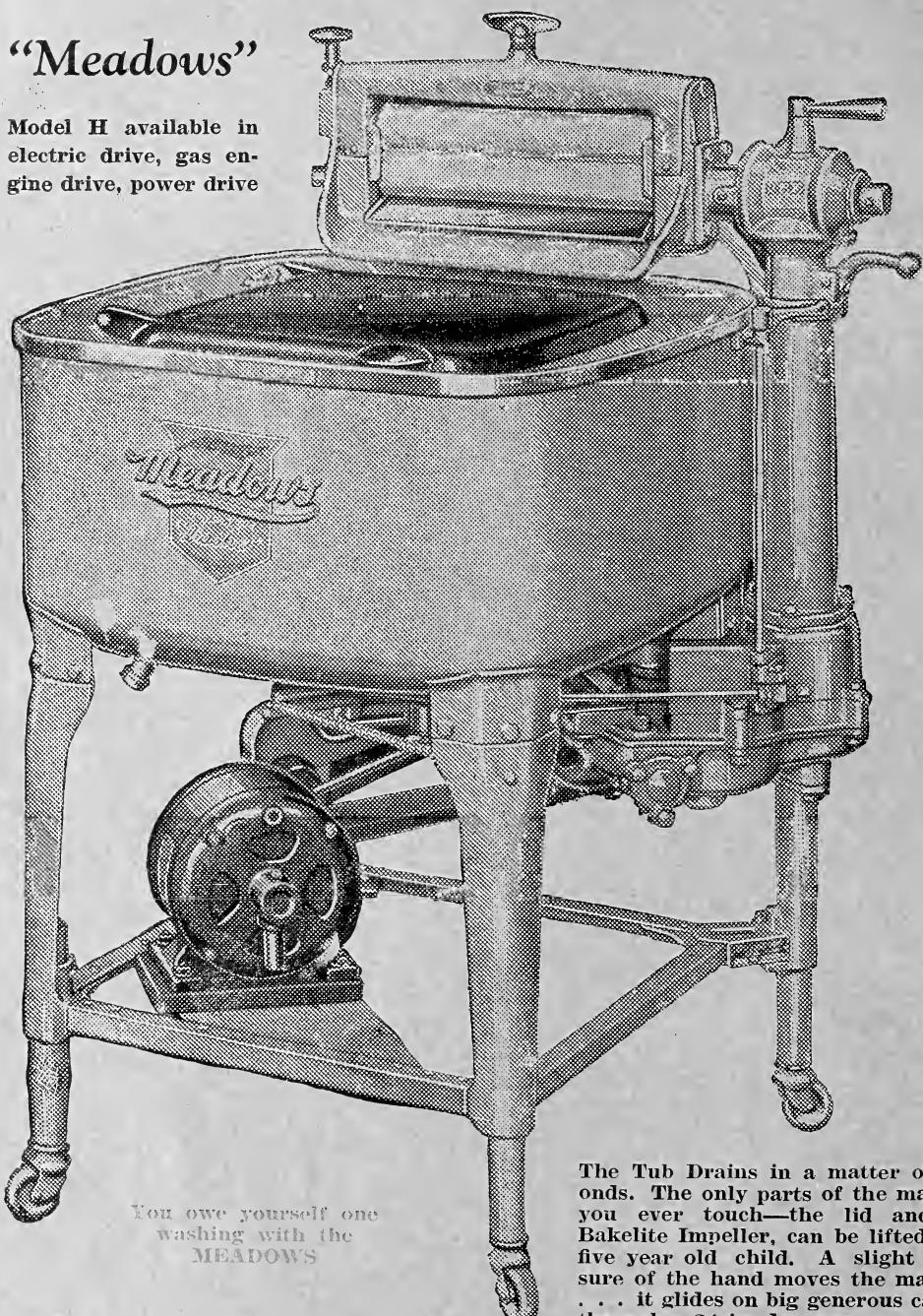
CaloriC grates are durable and readily cleaned.



The World's Finest Washing Machine

"Meadows"

Model H available in
electric drive, gas en-
gine drive, power drive



You owe yourself one
washing with the
MEADOWS

The Tub Drains in a matter of sec-
onds. The only parts of the machine
you ever touch—the lid and the
Bakelite Impeller, can be lifted by a
five year old child. A slight pres-
sure of the hand moves the machine
. . . it glides on big generous casters
through a 24 in. doorway.

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